

RECORDS  
MANAGEMENT  
WRS COPY

# Water Resources Survey



Part II:

MAPS SHOWING IRRIGATED AREAS IN COLORS  
DESIGNATING THE SOURCES OF SUPPLY

Musselshell County, Montana

Published by  
STATE ENGINEER'S OFFICE  
Helena, Montana, July, 1949



# WATER RESOURCES SURVEY

Musselshell County, Montana

Part II

Maps Showing Irrigated Areas

Published by  
**STATE ENGINEER'S OFFICE**

**HELENA, MONTANA**

**July, 1949**

### **STATE ENGINEER'S OFFICE**

State Engineer	- - - - -	Fred E. Buck
Assistant	- - - - -	Gerald J. Oravetz

### **STATE WATER CONSERVATION BOARD**

Governor John W. Bonner	- - - - -	Chairman
O. S. Warden	- - - - -	Vice-Chairman
John B. David	- - - - -	Member
C. H. Raymond	- - - - -	Member
Fred E. Buck	- - - - -	Member and Chief Engineer
R. J. Kelly	- - - - -	Assistant Secretary

### **MONTANA STATE AGRICULTURAL EXPERIMENT STATION**

O. W. Monson	- - - - -	Irrigation Engineer and Consultant
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July, 1949

Hon. John W. Bonner  
Capitol Building  
Helena, Montana

Dear Governor Bonner:

Submitted herewith is a consolidated report on the Water Resources Survey of Musselshell County, Montana. This work is being carried on by funds made available to the State Engineer by the Thirty-first Legislative Session, 1949, and in cooperation with the State Water Conservation Board.

The report is divided into two booklets—part one consisting of the history of land and water use, irrigated lands, water rights, etc., while part two contains all of the township maps showing in color the lands irrigated from each canal.

The office files contain minute descriptions and details of each individual water right, water and land use, etc., which are too voluminous to be included herein. These office files are available for inspection to those who are interested.

Mr. Gerald J. Oravetz, Assistant State Engineer, has directed the detail office and field work of this project and is entitled to much credit for the excellent accomplishment.

Respectfully submitted,

FRED E. BUCK,  
State Engineer.

SOUTH WILLOW CREEK

## FERGUS COUNTY

WHOOP UP CREEK

## LEGEND

- PRIVATE IRRIGATION
- 曲线 CANALS OR DITCHES
- ==== COUNTY ROADS
- ▲ RESERVOIRS

ROCK DAM

5 DAM

JOHNSON-EKERN DITCH

COULEE USED AS DITCH

2

1

DITCH NOT IN USE BEYOND THIS POINT

OLD DITCH (NOT IN USE 1948)

JOHNSON-EKERN RANCH

DAM

FLUME

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

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27

28

29

30

31

32

33

34

35

36

GOLDEN VALLEY  
COUNTY

DAMS (OUT)

JOHNSON-EKERN  
FLOOD DITCHES  
(NOT IN USE 1948)T. 11N-R. 21E  
T. 10N-R. 21E

POLE GREEK

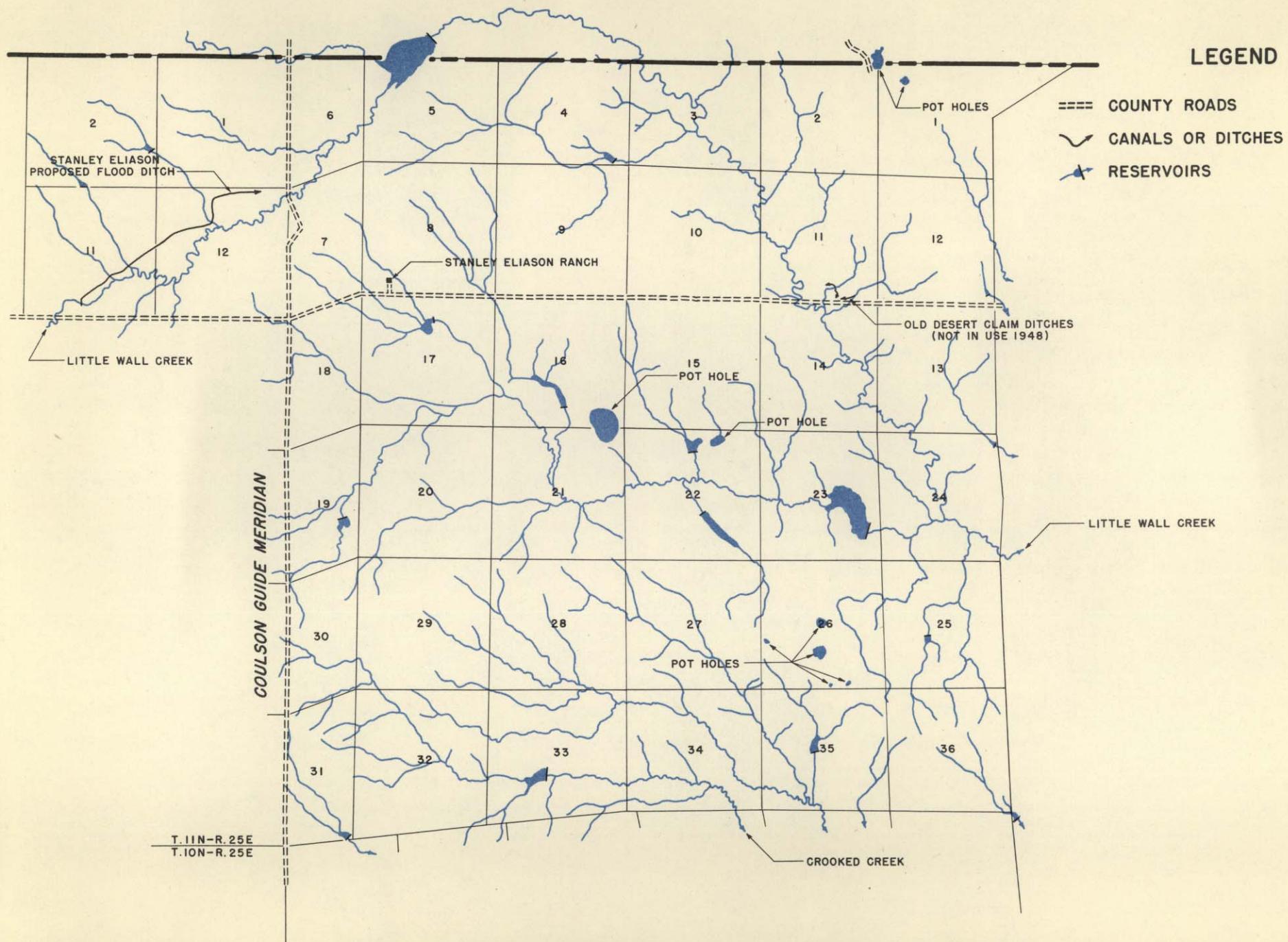
OLD DITCH  
(NOT IN USE 1948)

SOUTH WILLOW CREEK

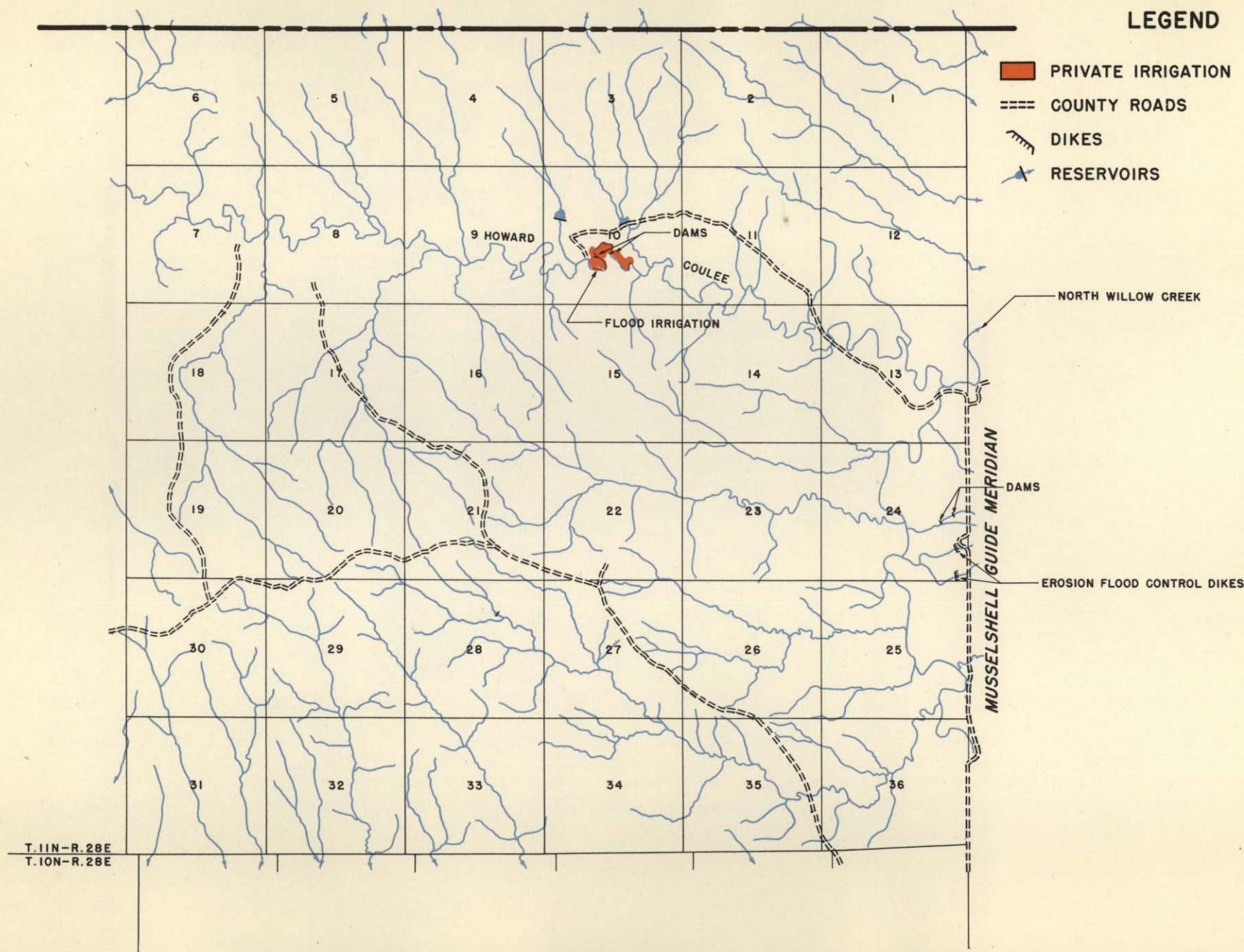
MINERVA CREEK



## PETROLEUM COUNTY



## PETROLEUM COUNTY



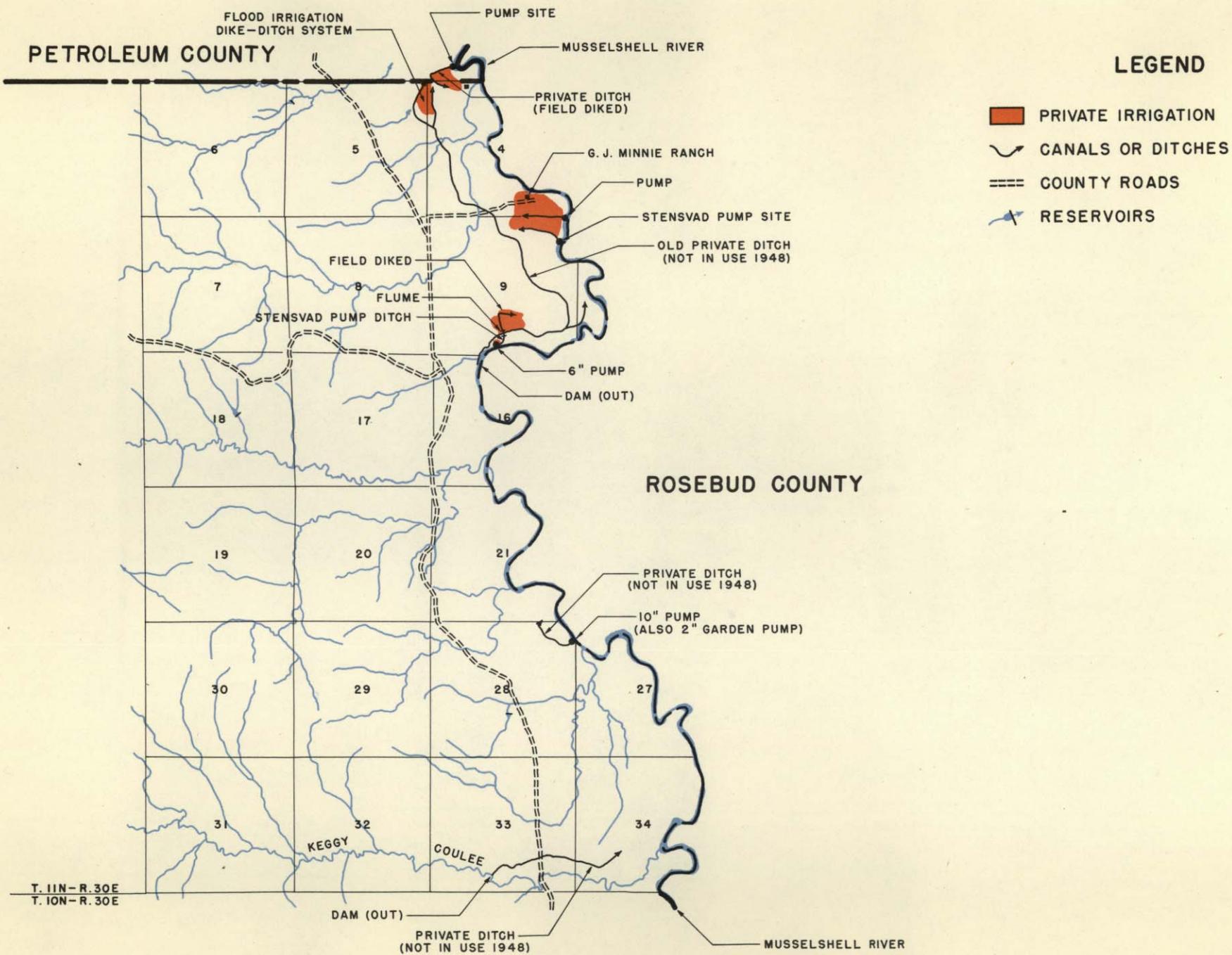
Township No. 11 NORTH

Range No. 31 EAST

County MUSSELSHELL

T. 11 NORTH

R. 31 EAST



T. 11N - R. 30E  
T. 10N - R. 30E

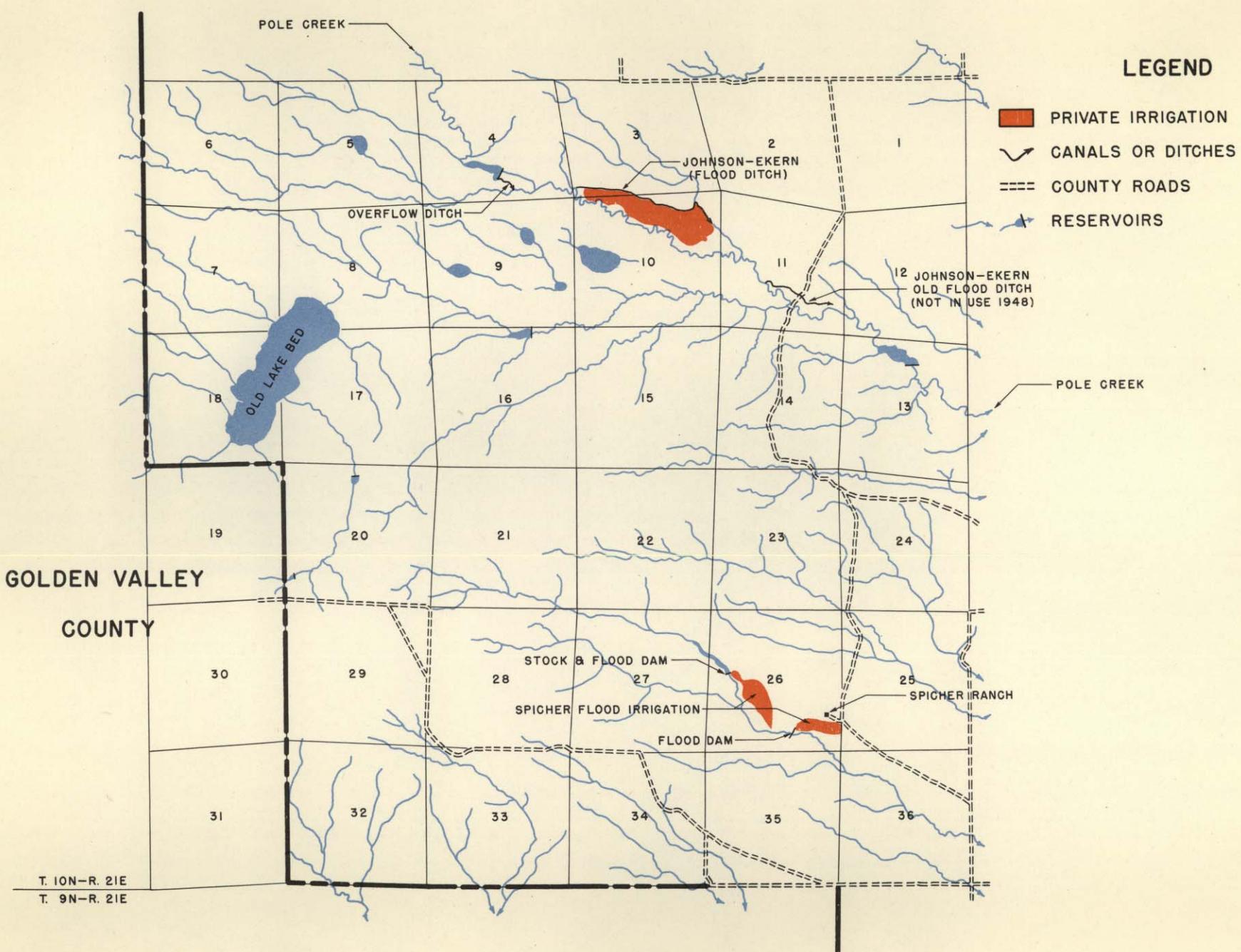
Township No. **10 NORTH**

Range No. **22 EAST**

County **MUSSELSHELL**

**T. 10 NORTH**

**R. 22 EAST**



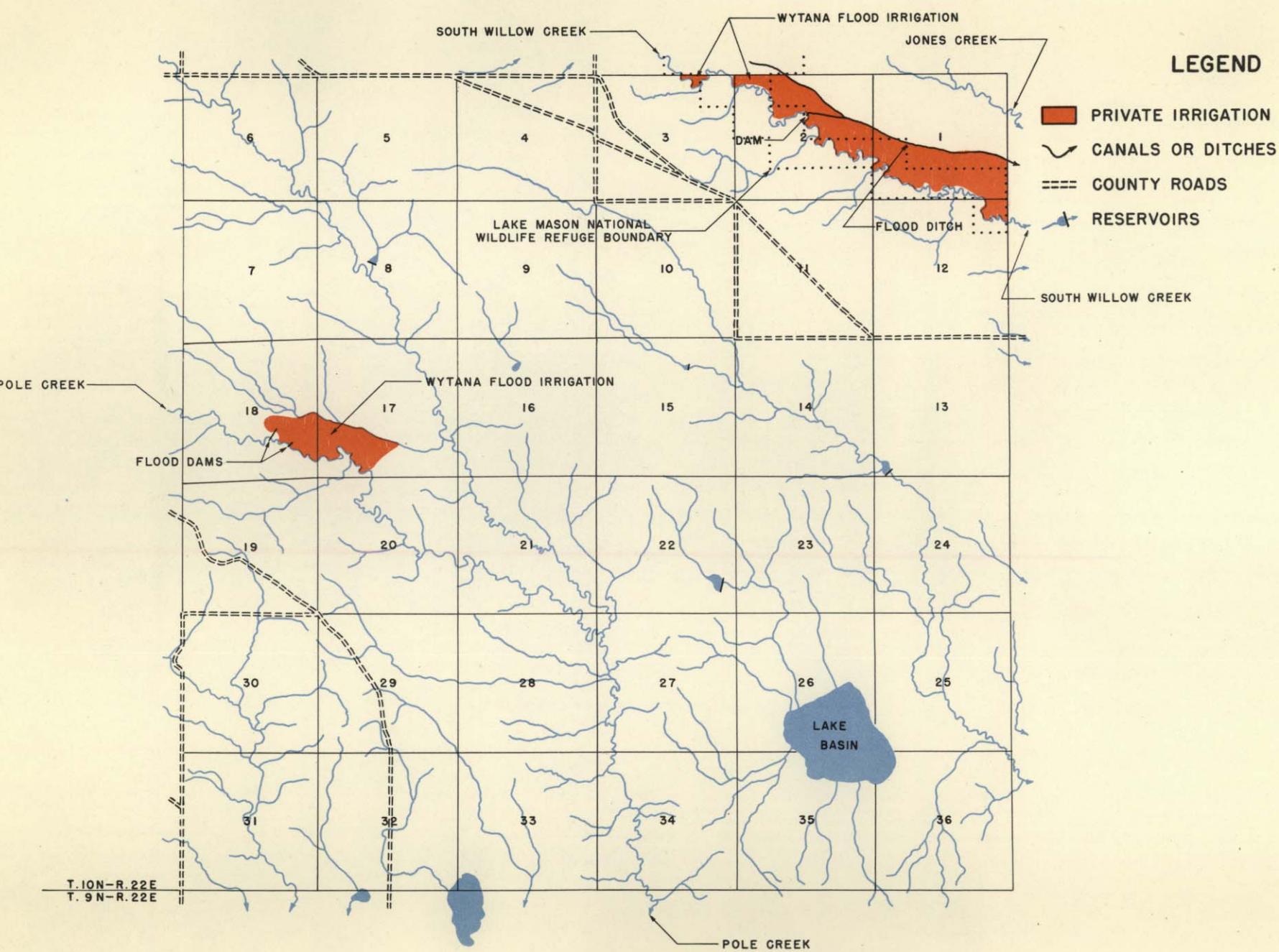
Township No. **10 NORTH**

Range No. **23 EAST**

County **MUSSELSHELL**

**T. 10 NORTH**

**R. 23 EAST**



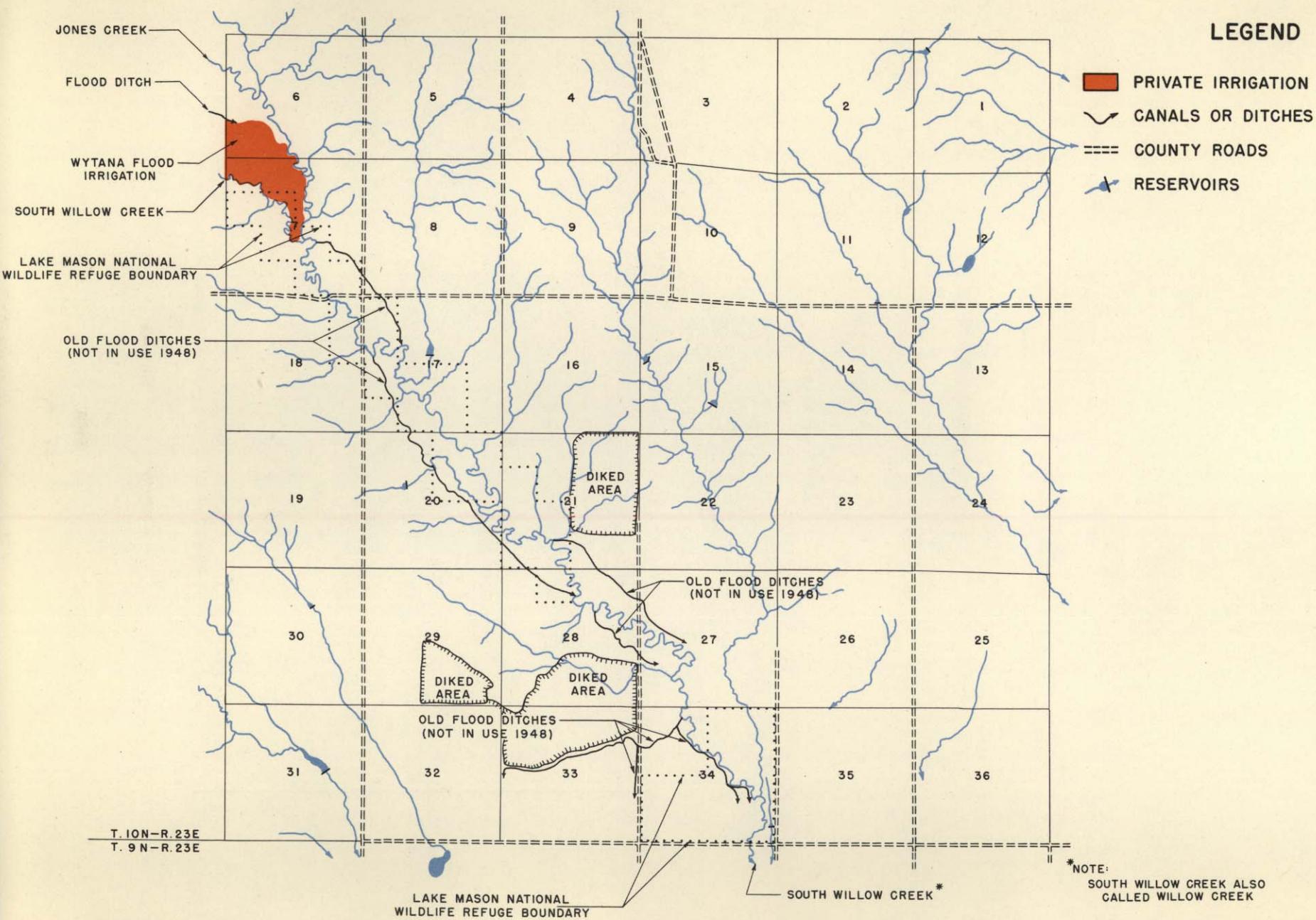
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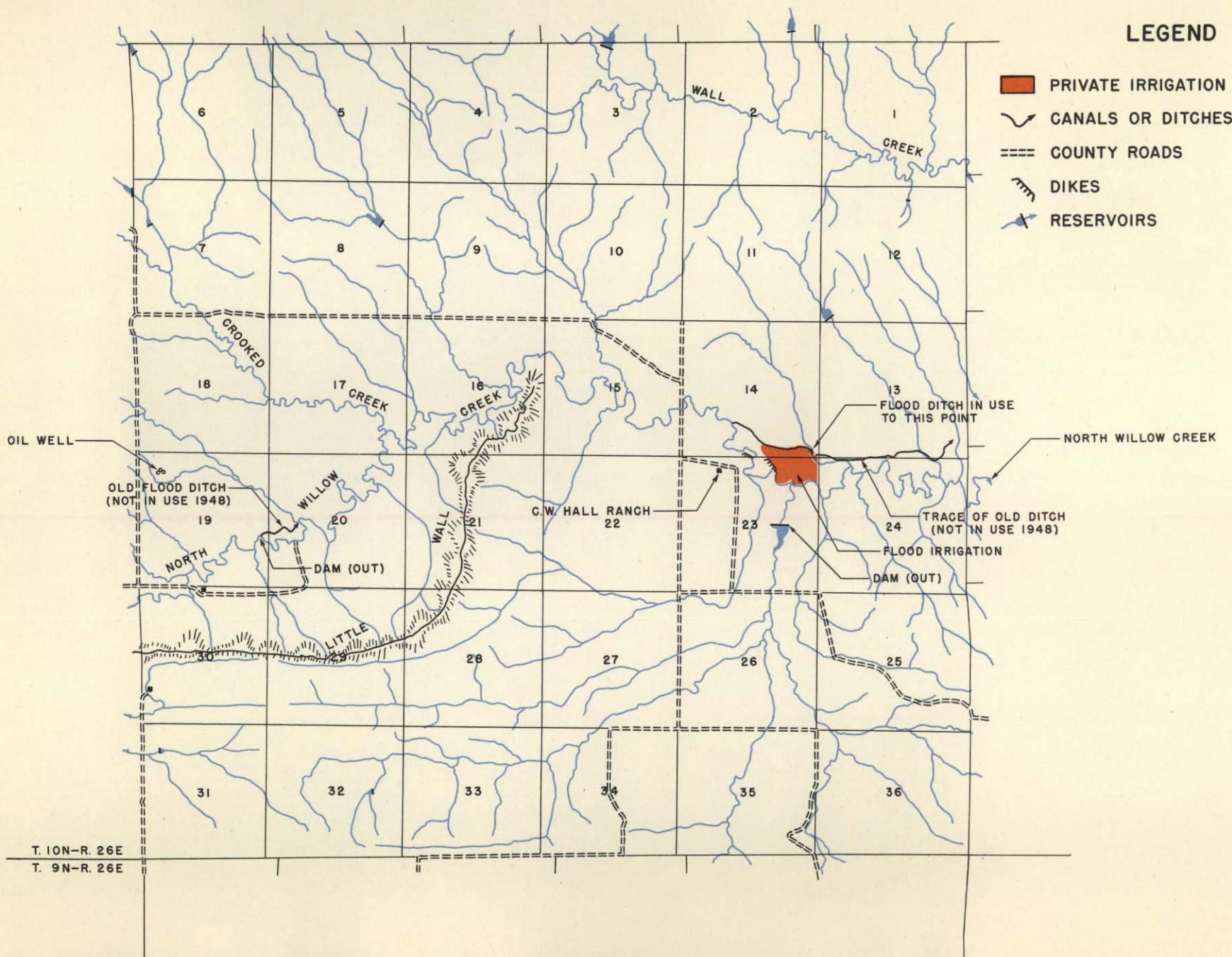
Range No. 24 EAST

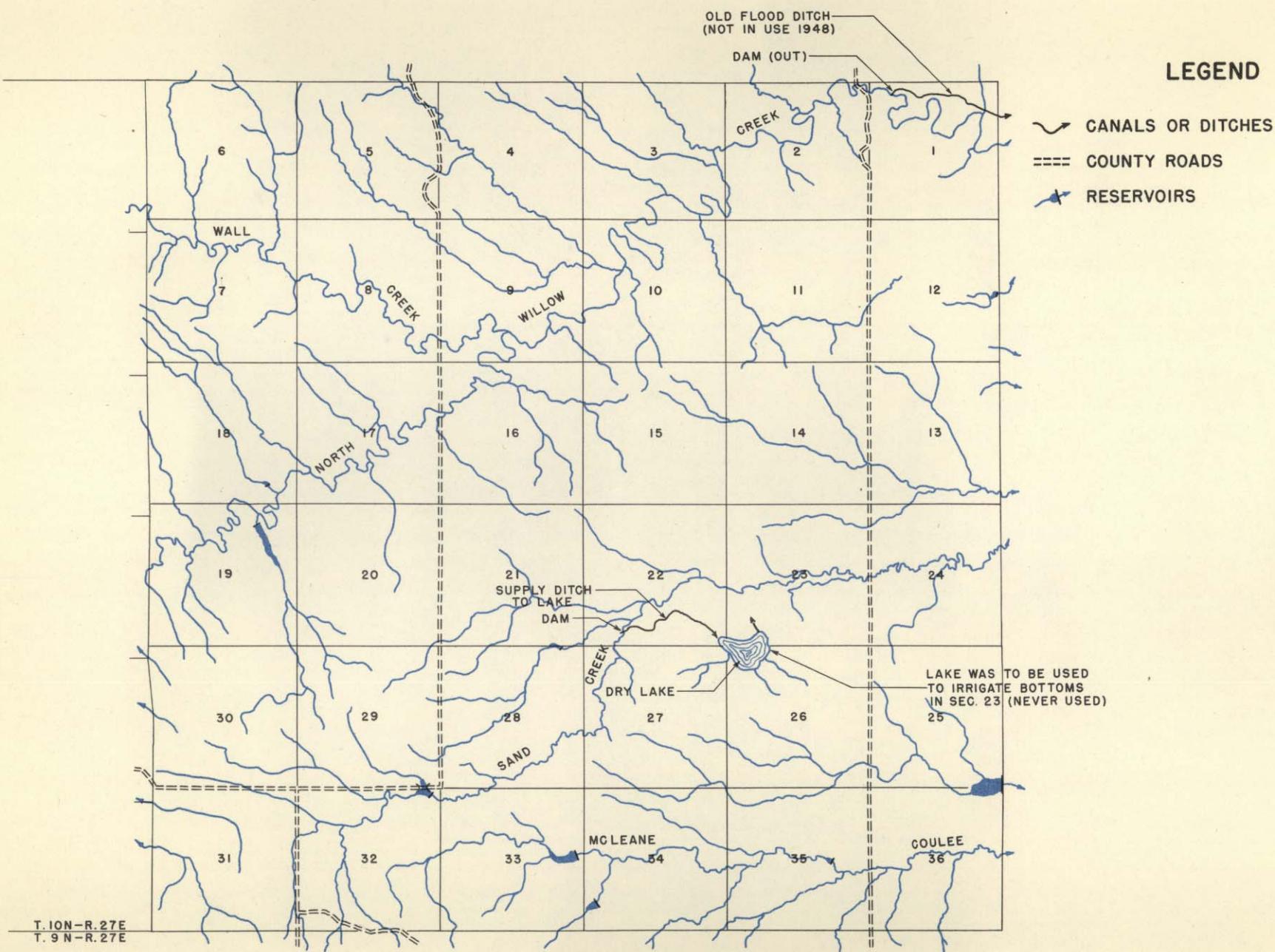
County MUSSEL SHELL

T. 10 NORTH

R. 24 EAST







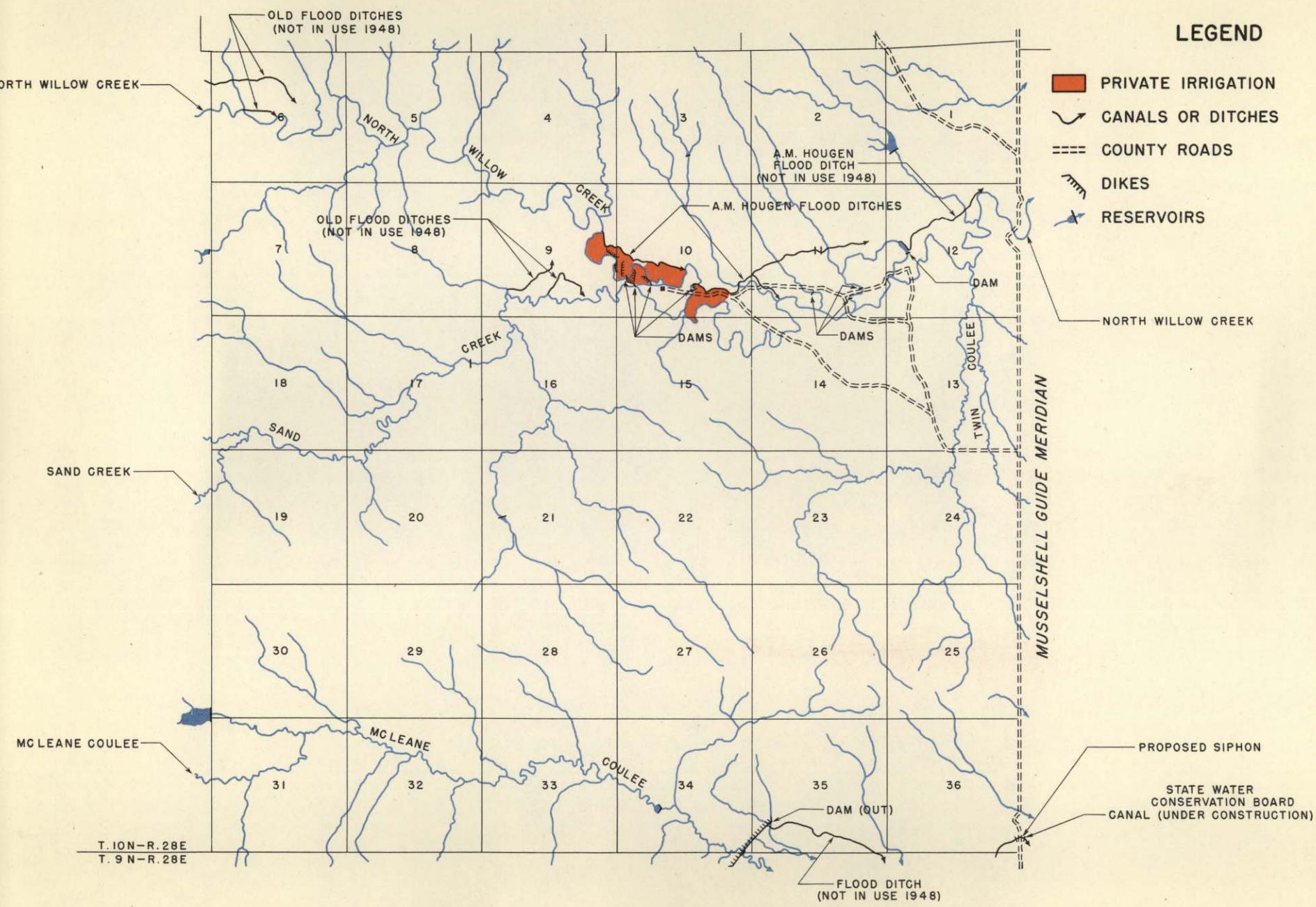
Township No. 10 NORTH

Range No. 29 EAST

County MUSSELSHELL

T. 10 NORTH

R. 29 EAST



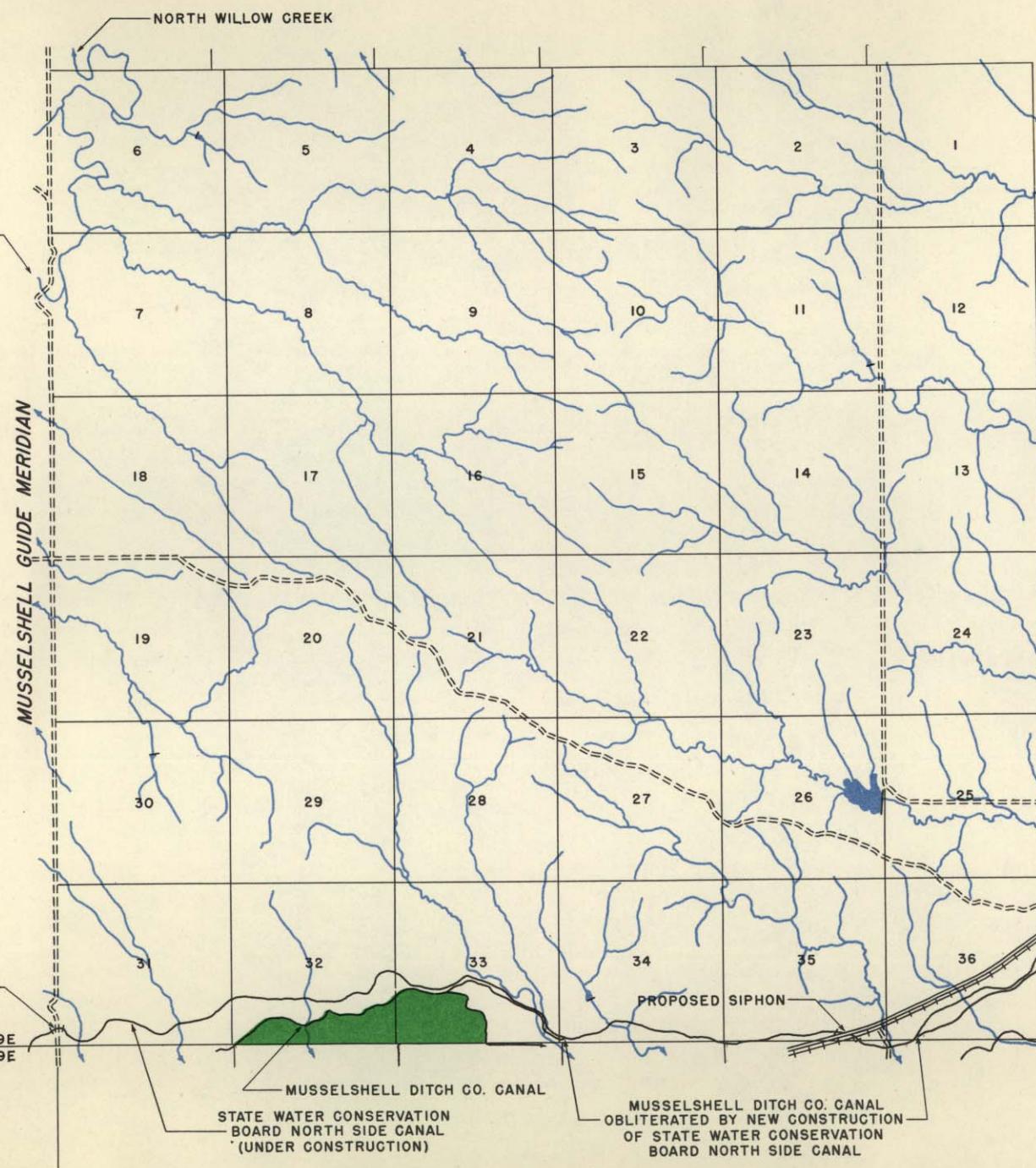
Township No. **10 NORTH**

Range No. **30 EAST**

County **MUSSEL SHELL**

**T. 10 NORTH**

**R. 30 EAST**



### LEGEND

- MUSSEL SHELL DITCH COMPANY**
- CANALS OR DITCHES**
- COUNTY ROADS**
- PAVED HIGHWAY**
- RAILROADS**
- RESERVOIRS**

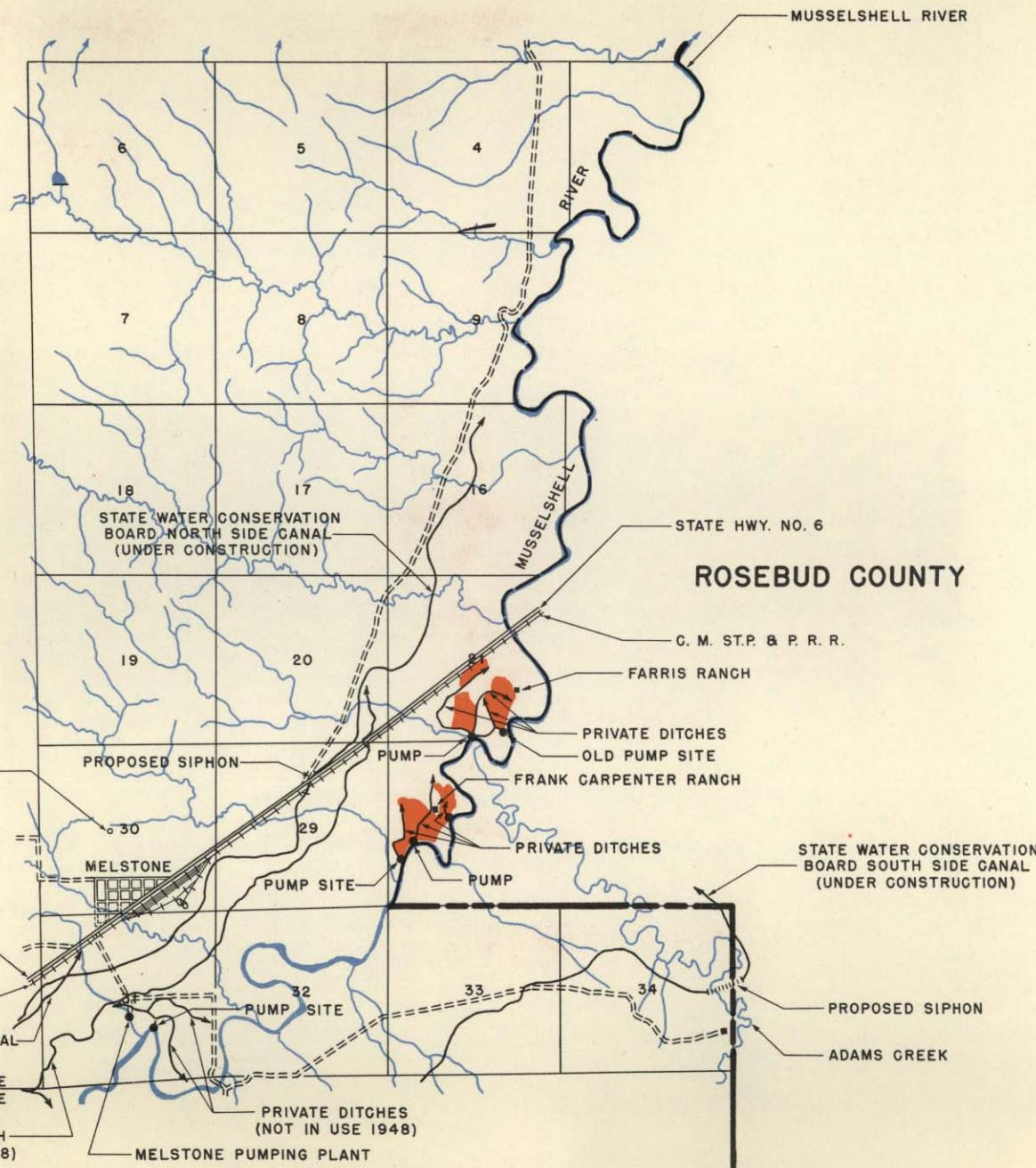
STATE HWY. NO. 6

G. M. ST.P. & P. R.R.

STATE WATER CONSERVATION BOARD NORTH SIDE CANAL (UNDER CONSTRUCTION)

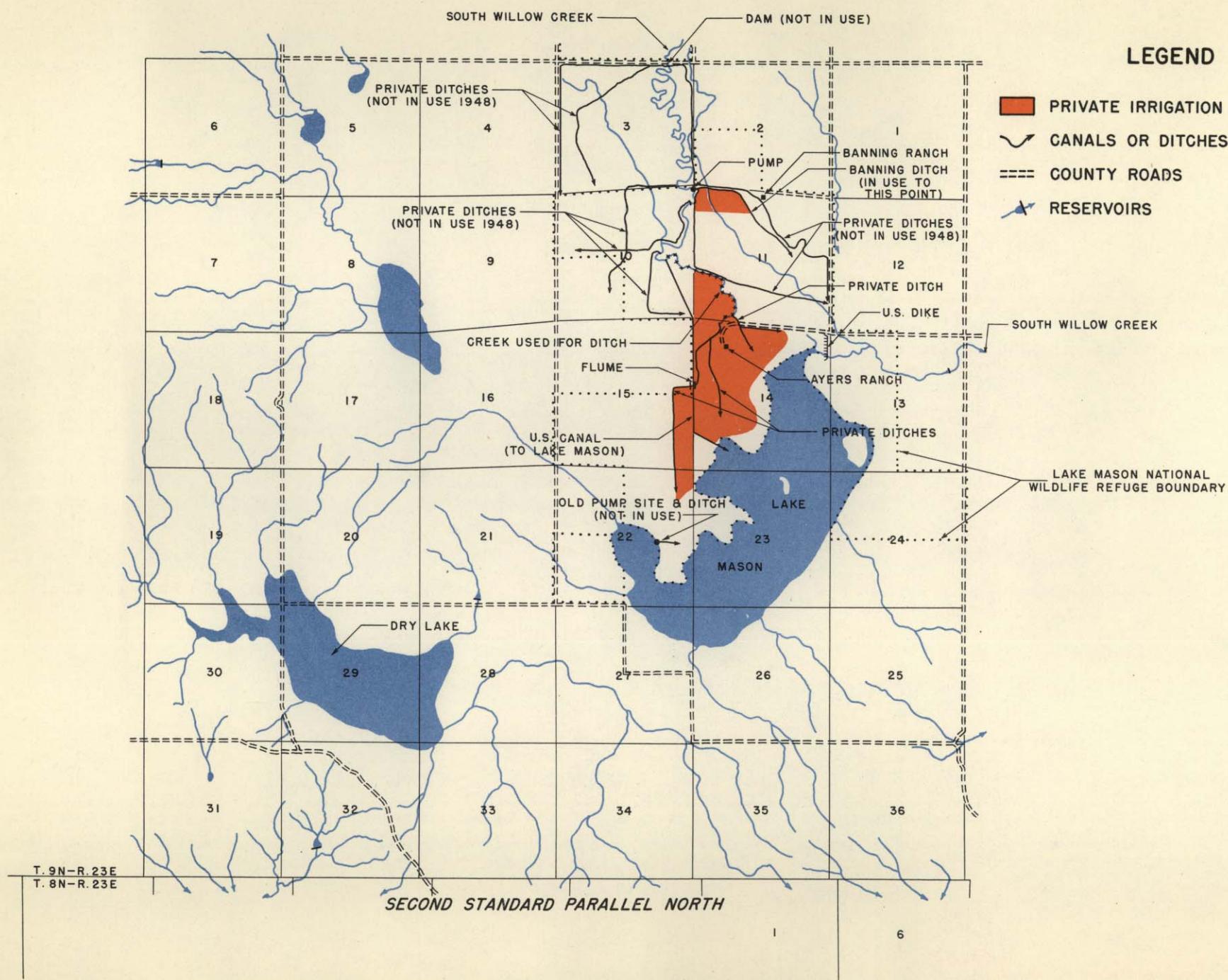
MUSSEL SHELL DITCH CO. CANAL (NOT IN USE 1948)

OLD R. L. DITCH (NOT IN USE 1948)



## LEGEND

- PRIVATE IRRIGATION
- CANALS OR DITCHES
- COUNTY ROADS
- PAVED HIGHWAY
- RAILROADS
- RESERVOIRS



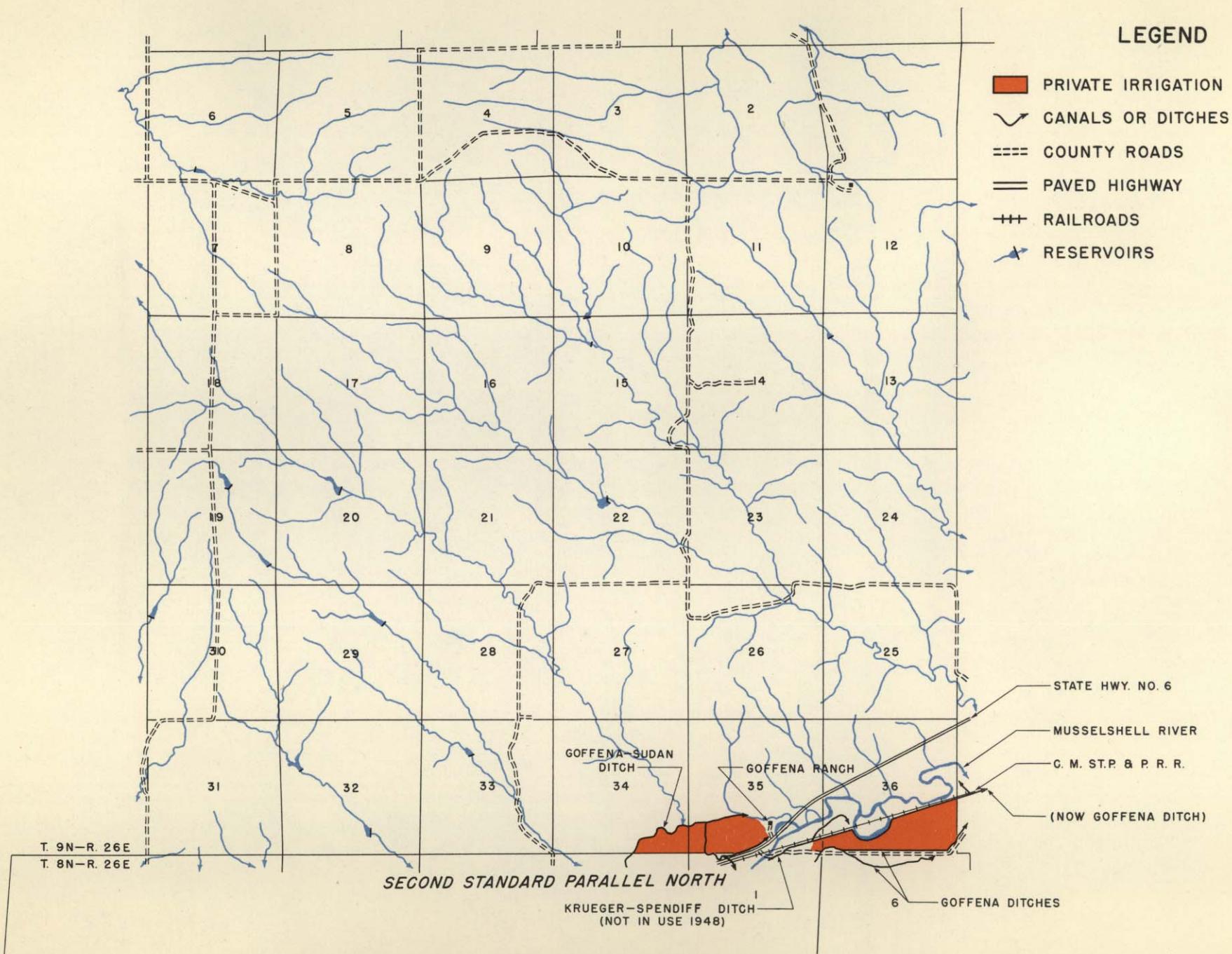
Township No. 9 NORTH

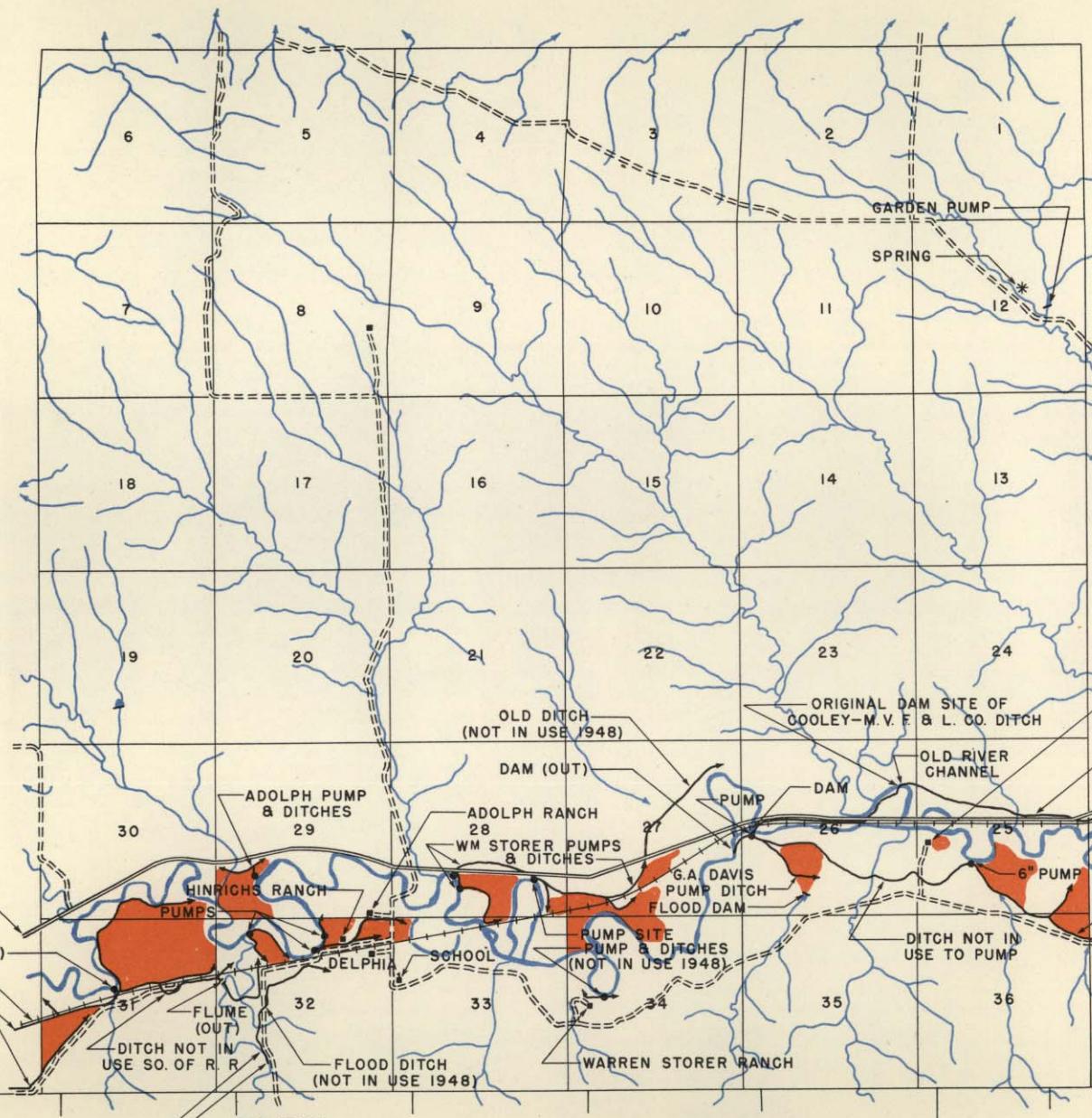
Range No. 27 EAST

County MUSSEL SHELL

T. 9 NORTH

R. 27 EAST





## LEGEND

- PRIVATE IRRIGATION
- CANALS OR DITCHES
- COUNTY ROADS
- PAVED HIGHWAY
- RAILROADS
- RESERVOIRS

FLOOD DITCH (NOT IN USE 1948)  
 DAM & DIKE (DAM OUT)  
 MCLEAN COULEE

STATE WATER  
 CONSERVATION BOARD  
 NORTH SIDE CANAL  
 (UNDER CONSTRUCTION)

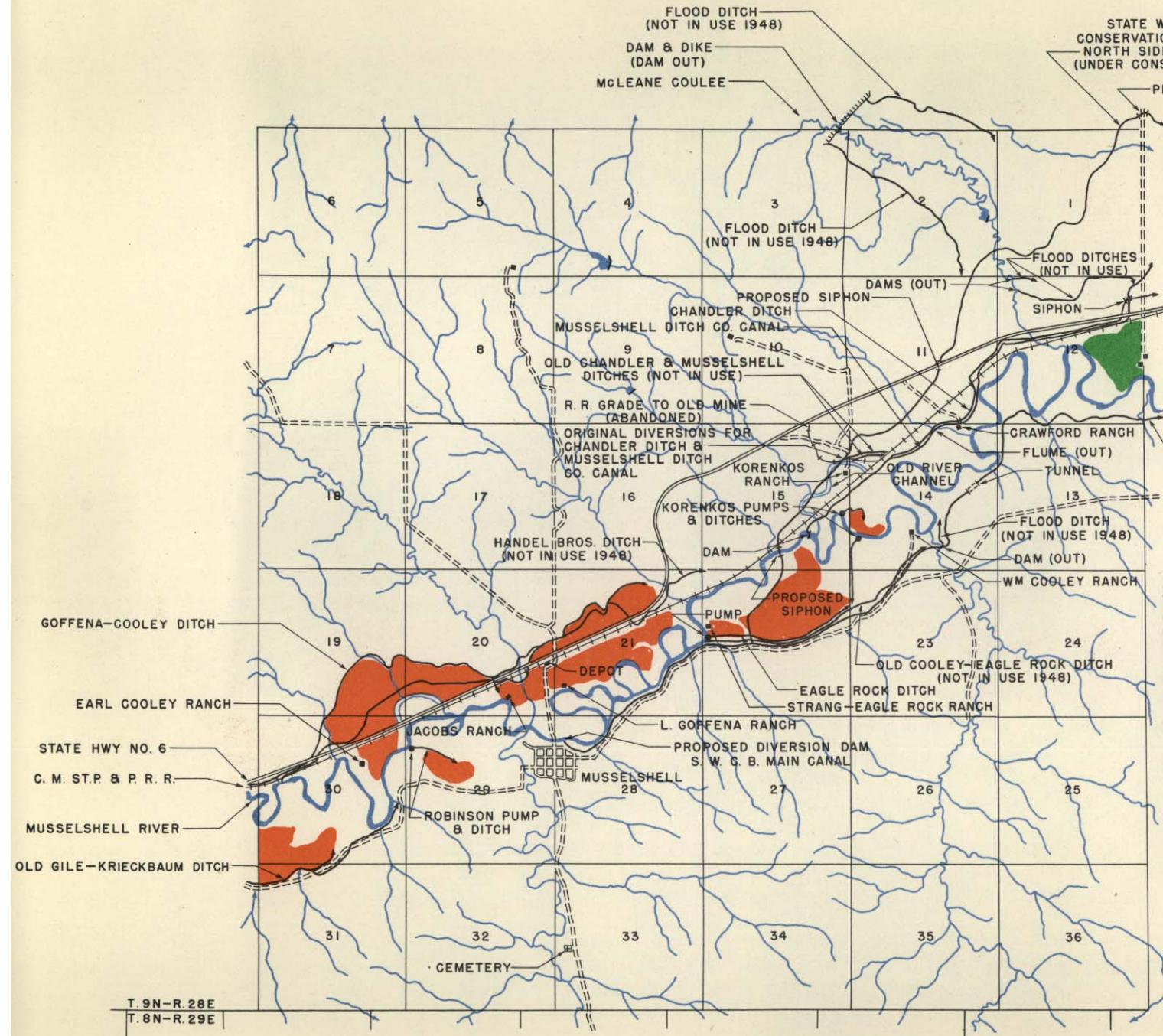
PROPOSED SIPHON

### LEGEND

- MUSSELSHELL DITCH COMPANY
- PRIVATE IRRIGATION
- CANALS OR DITCHES
- COUNTY ROADS
- DIKES
- PAVED HIGHWAY
- RAILROADS
- RESERVOIRS

STATE WATER  
 CONSERVATION BOARD  
 SOUTH SIDE CANAL  
 (UNDER CONSTRUCTION)

MUSSELSHELL GUIDE MERIDIAN



SECOND STANDARD PARALLEL NORTH

## LEGEND

MUSSEL SHELL DITCH COMPANY

PRIVATE IRRIGATION

CANALS OR DITCHES

COUNTY ROADS

DRAIN DITCHES

PAVED HIGHWAY

RAILROADS

RESERVOIRS

STATE WATER  
CONSERVATION BOARD  
SOUTH SIDE CANAL  
(UNDER CONSTRUCTION)

DRY CREEK

T. 9N-R. 29E  
T. 8N-R. 30E

SECOND STANDARD PARALLEL NORTH

— CARPENTER CREEK

Township No. **9 NORTH**

Range No. **31 EAST**

County **MUSSEL SHELL**

**T. 9 NORTH**

**R. 31 EAST**

MUSSEL SHELL RIVER

OLD R. L. DITCH  
(NOT IN USE 1948)

PRIVATE DITCH  
(NOT IN USE 1948)

OLD MCGAVIC-MASON DITCH  
(NOT IN USE 1948)

STATE WATER  
CONSERVATION BOARD  
SOUTH SIDE CANAL  
(UNDER CONSTRUCTION)

OLD FLOOD DITCH  
(NOT IN USE 1948)

PROPOSED  
SIPHON

LOST

DAM (OUT)

18

20

19

SCHOOL HORSE

28

32

33

31

SECOND STANDARD PARALLEL NORTH

30

21

22

27

34

2

1

11

12

14

13

23

24

26

25

35

36

**LEGEND**

- PRIVATE IRRIGATION
- CANALS OR DITCHES
- COUNTY ROADS
- RESERVOIRS

**ROSEBUD COUNTY**

T. 9N-R. 30E  
T. 8N-R. 30E

6

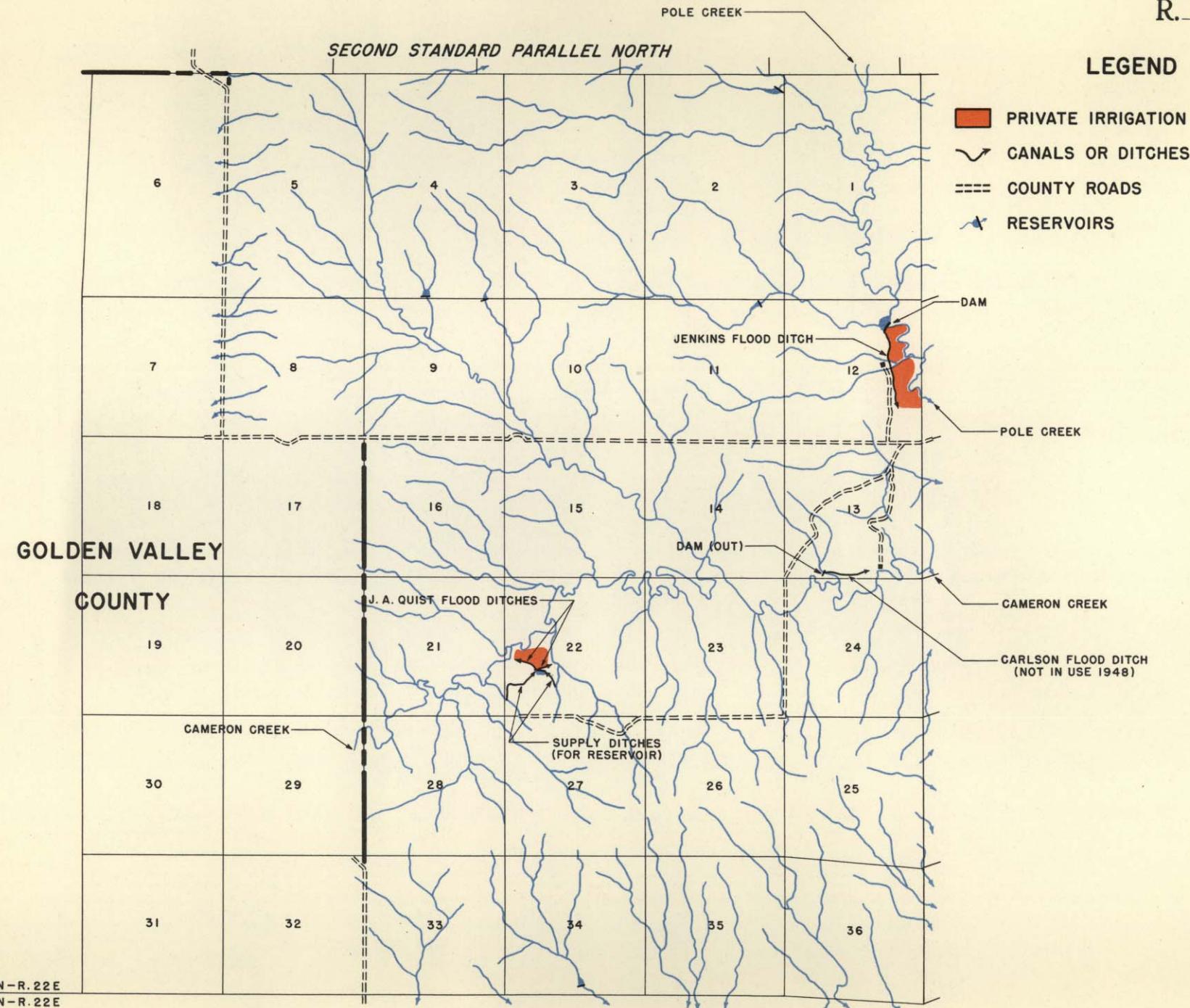
Township No. **8 NORTH**

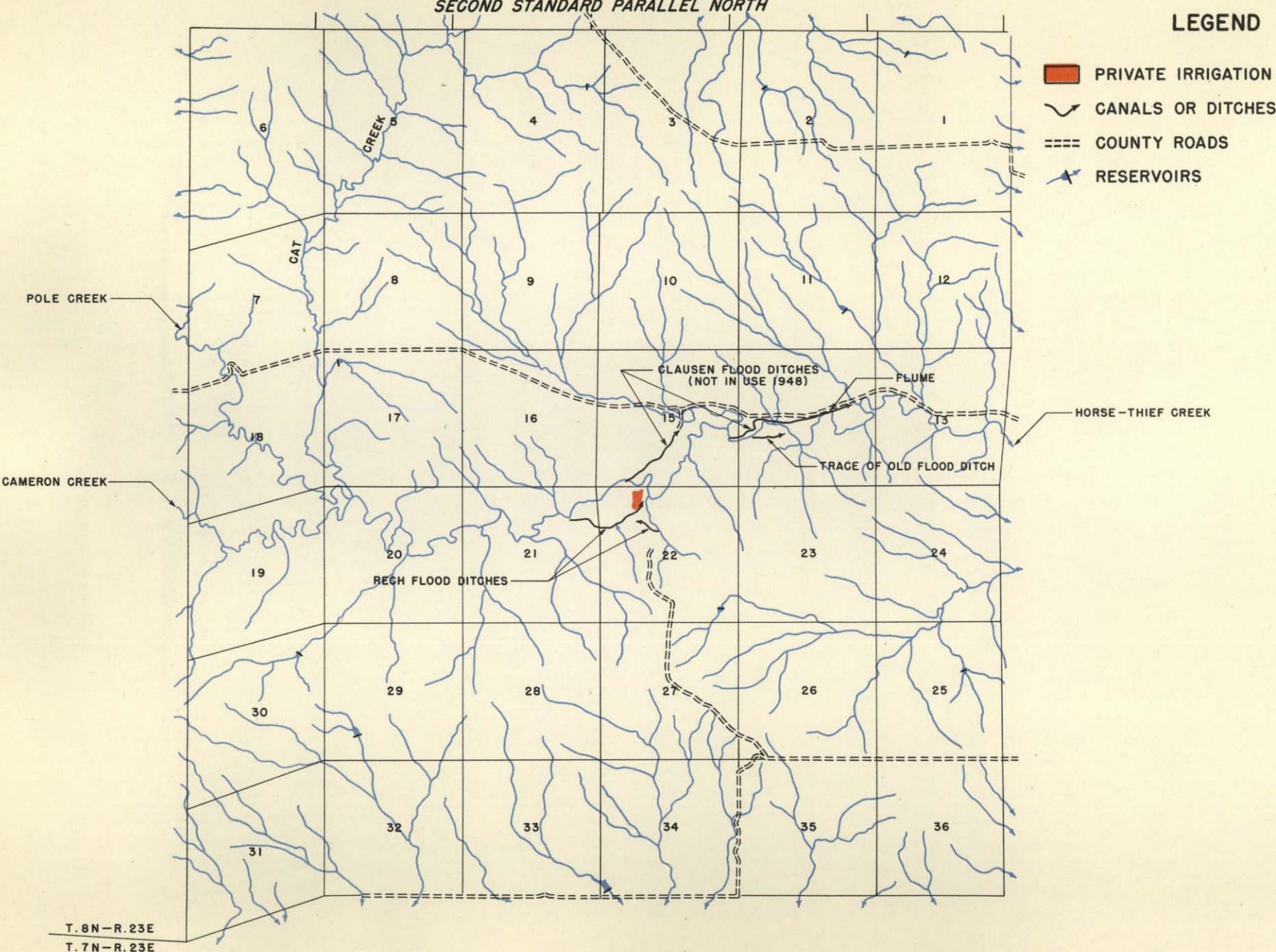
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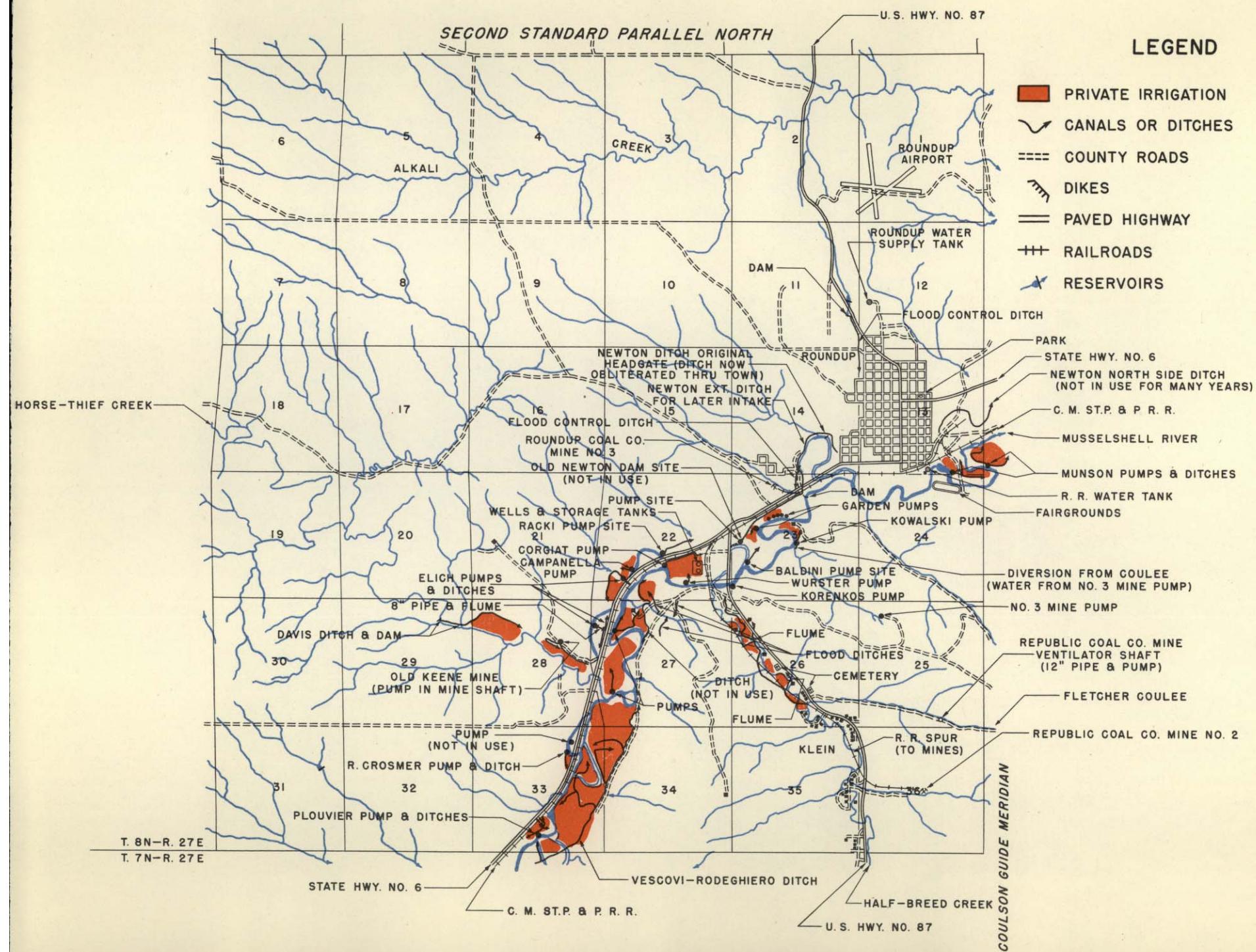
County **MUSSEL SHELL**

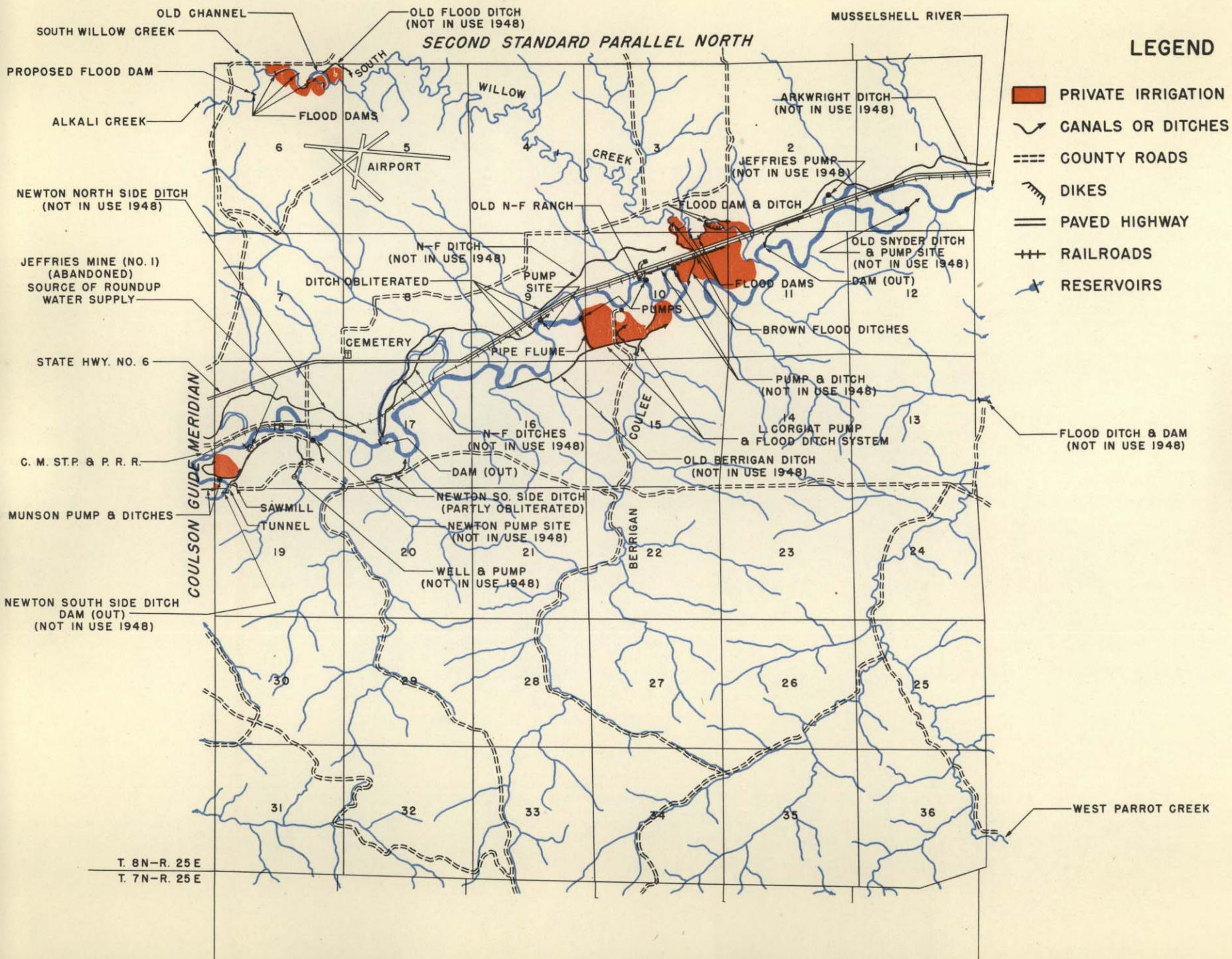
**T. 8 NORTH**

**R. 23 EAST**

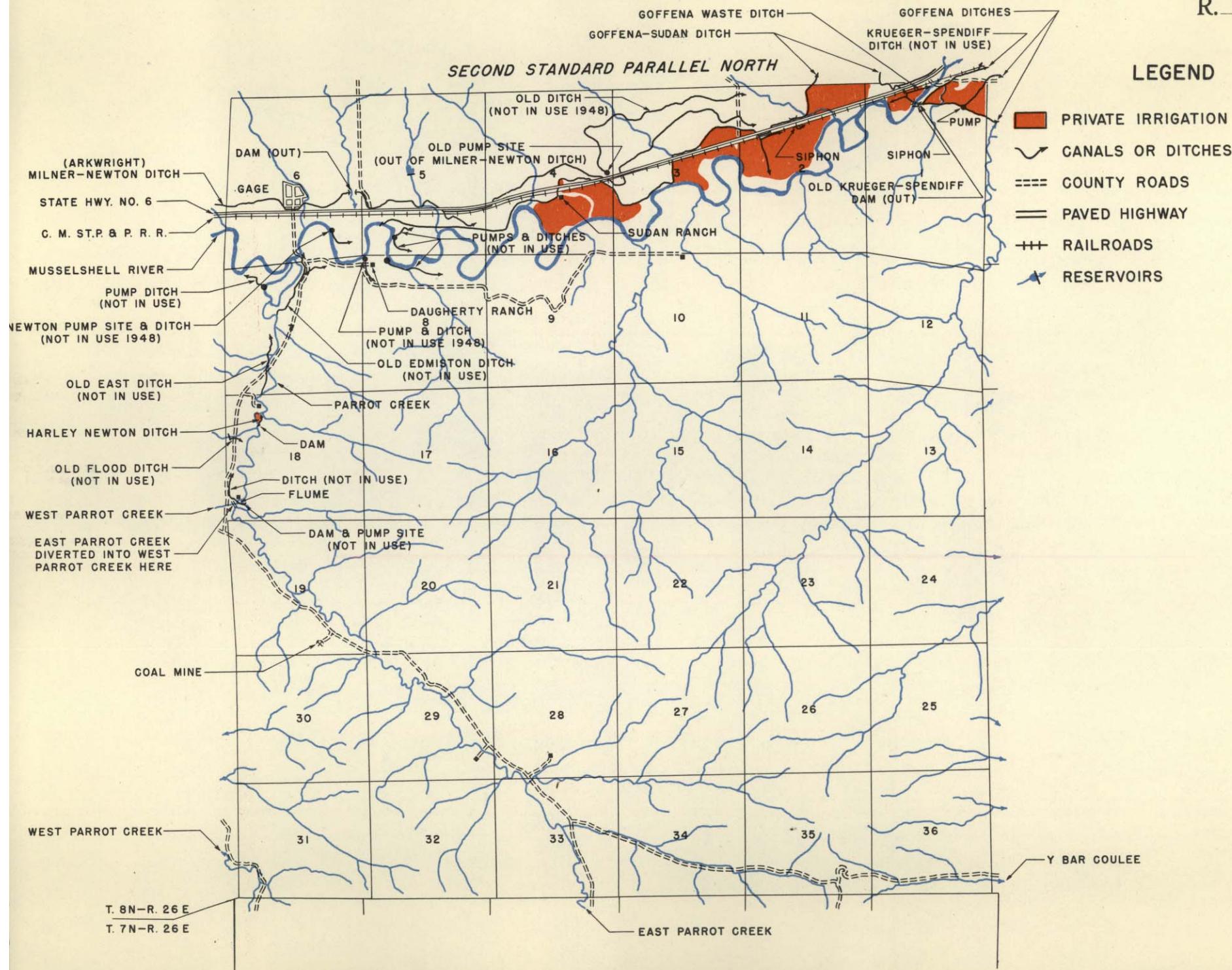


**SECOND STANDARD PARALLEL NORTH**





## SECOND STANDARD PARALLEL NORTH



Township No. 8 NORTH

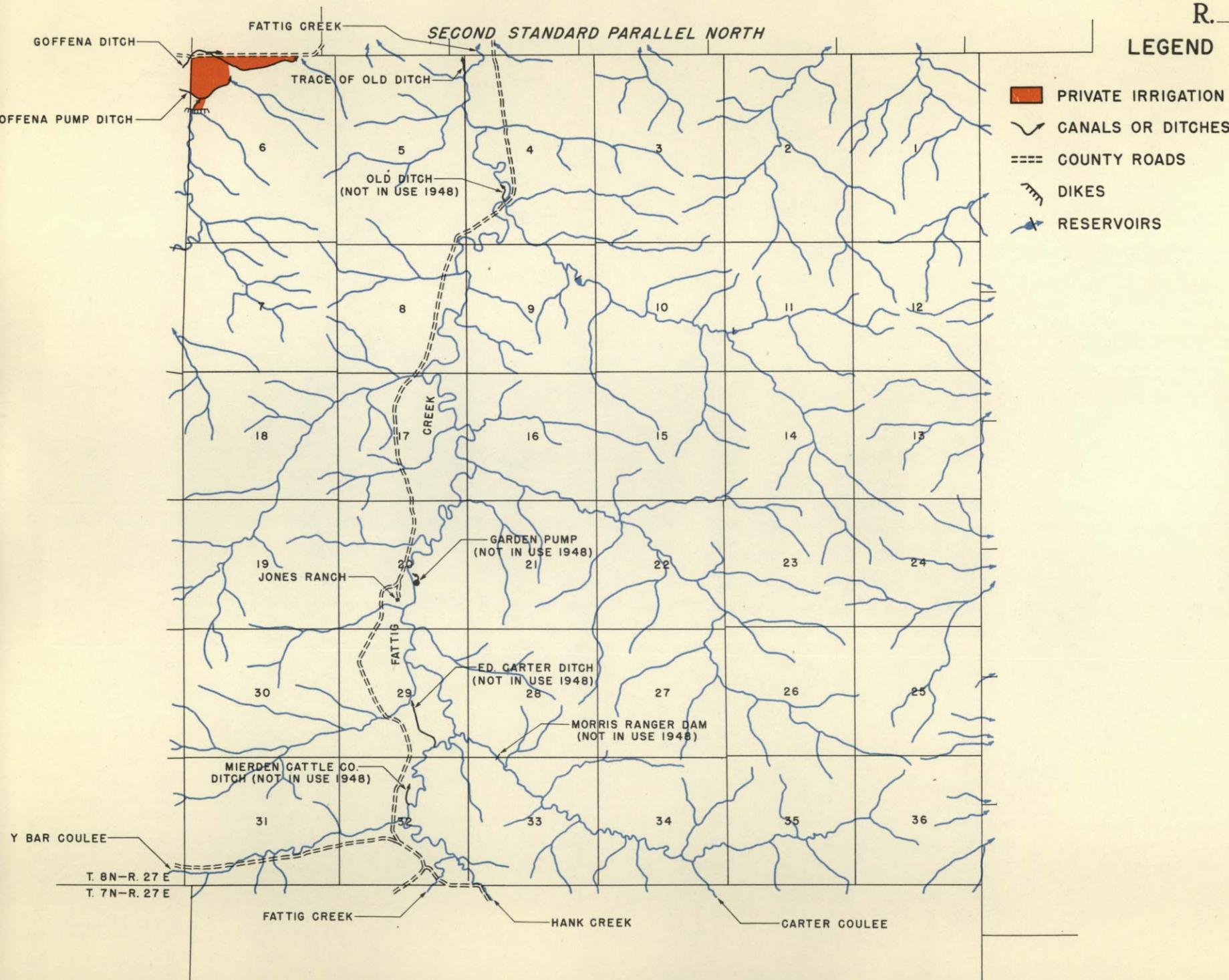
Range No. 28 EAST

County MUSSELSHELL

T. 8 NORTH

R. 28 EAST

LEGEND



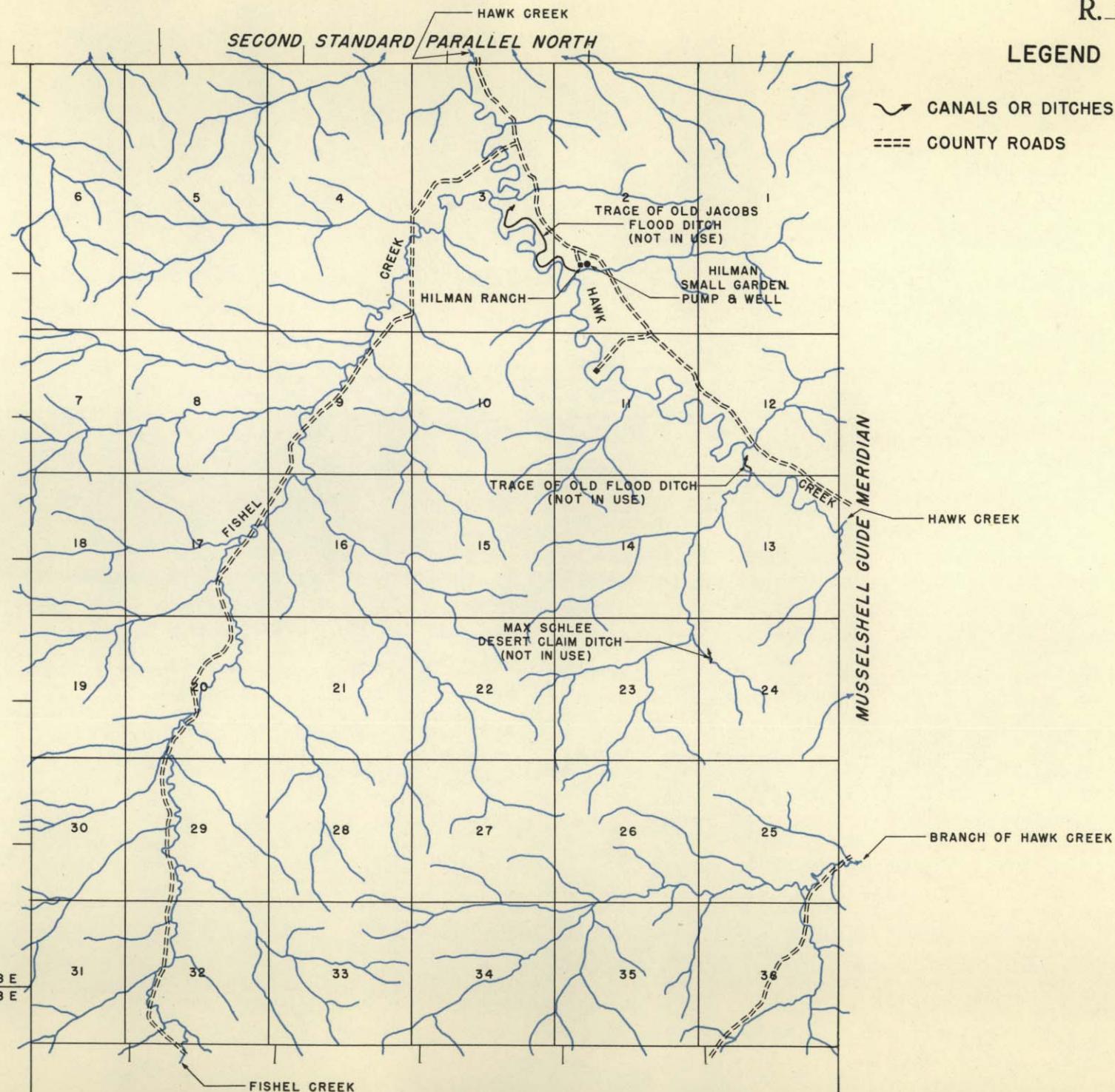
Township No. 8 NORTH

Range No. 29 EAST

County MUSSELSHELL

T. 8 NORTH

R. 29 EAST



Township No. 8 NORTH

Range No. 30 EAST

County MUSSEL SHELL

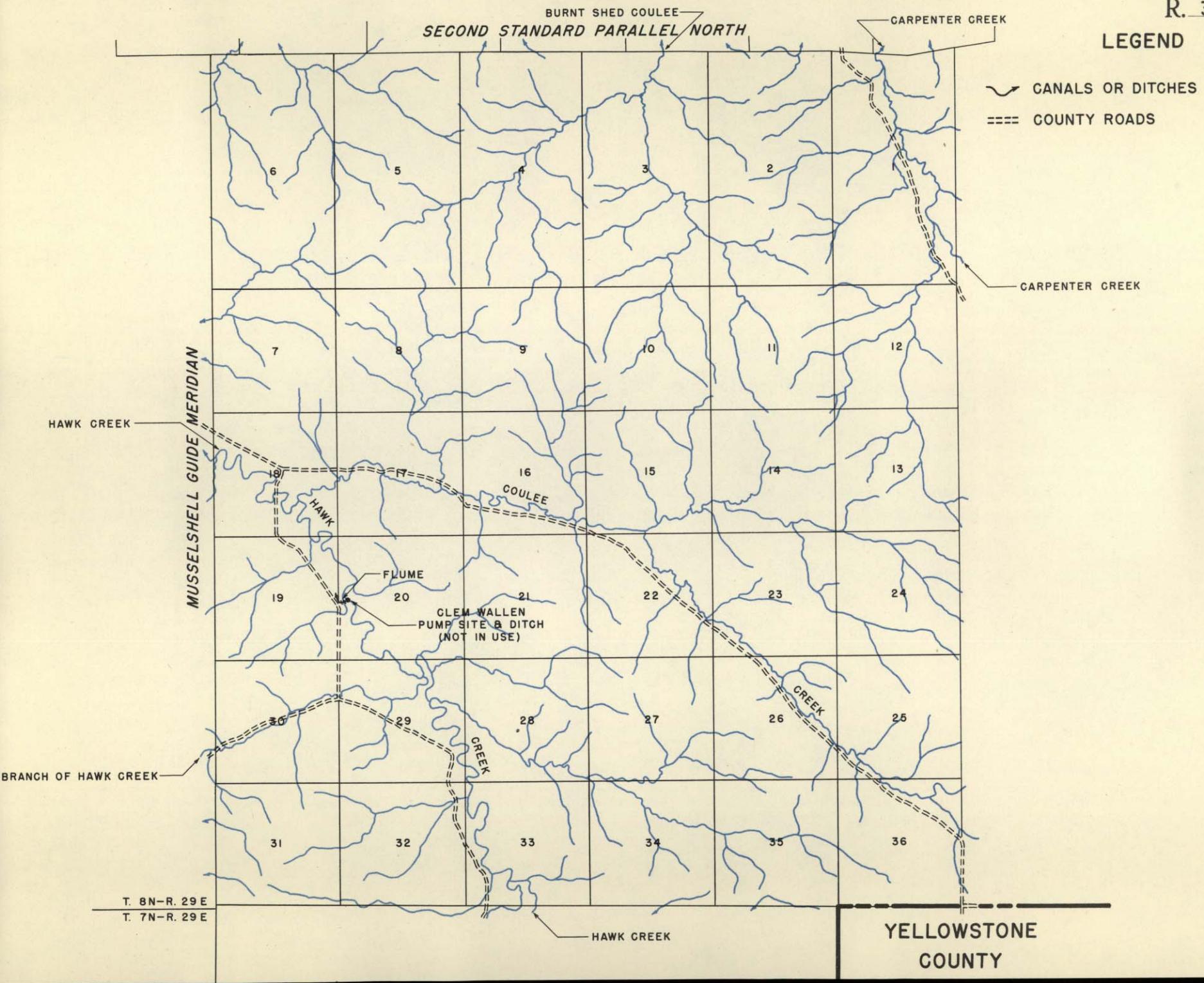
T. 8 NORTH

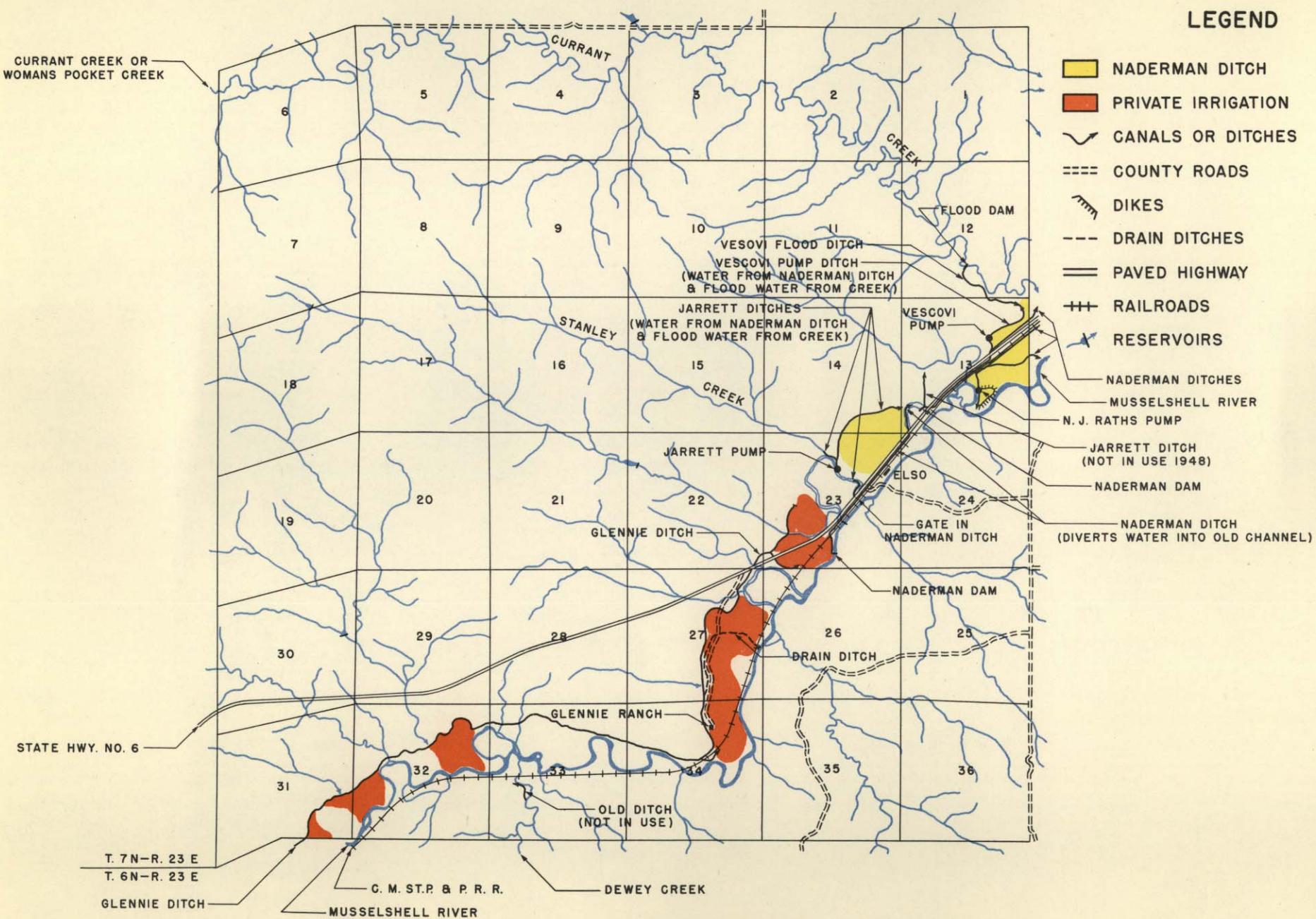
R. 30 EAST

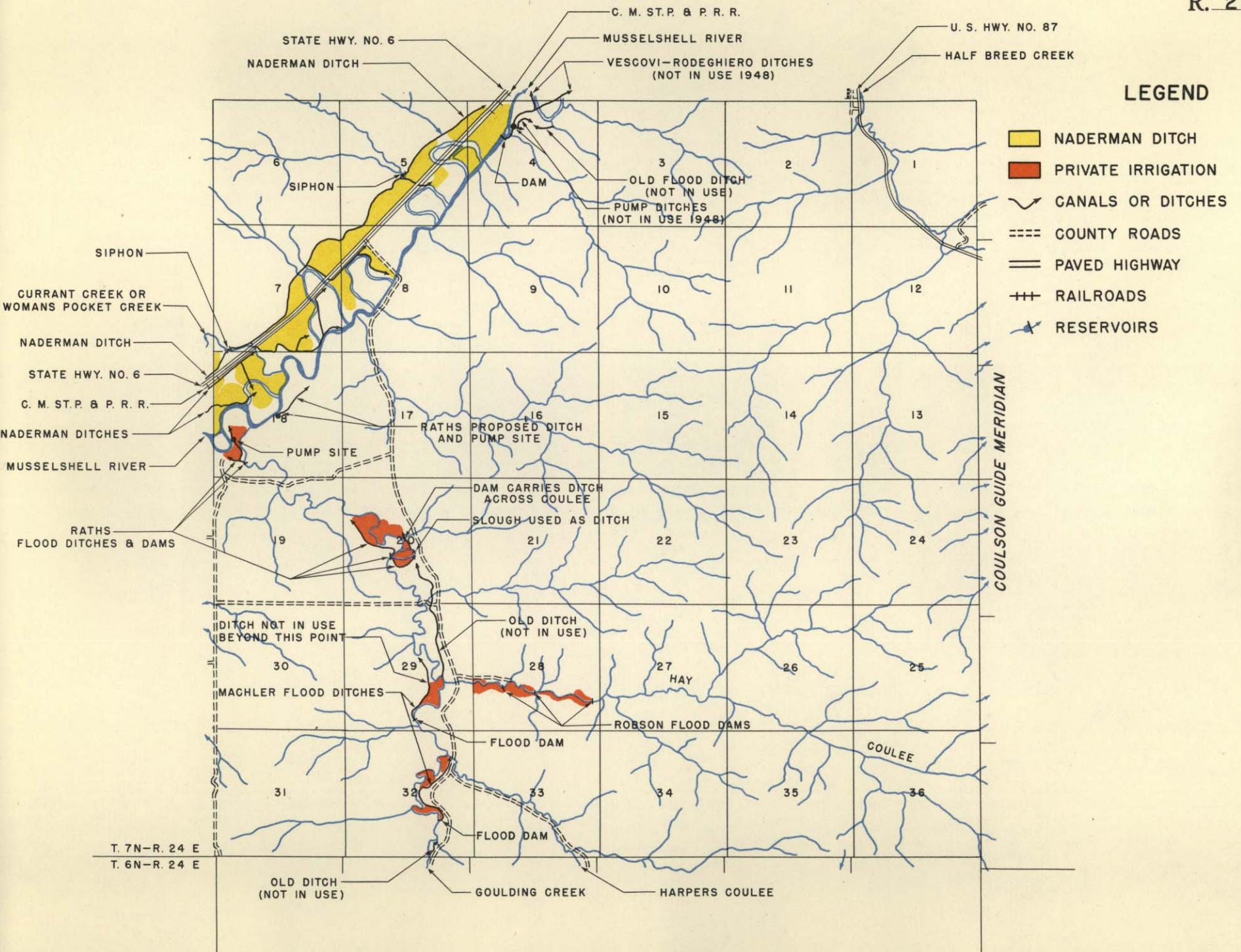
LEGEND

~~~ CANALS OR DITCHES

==== COUNTY ROADS







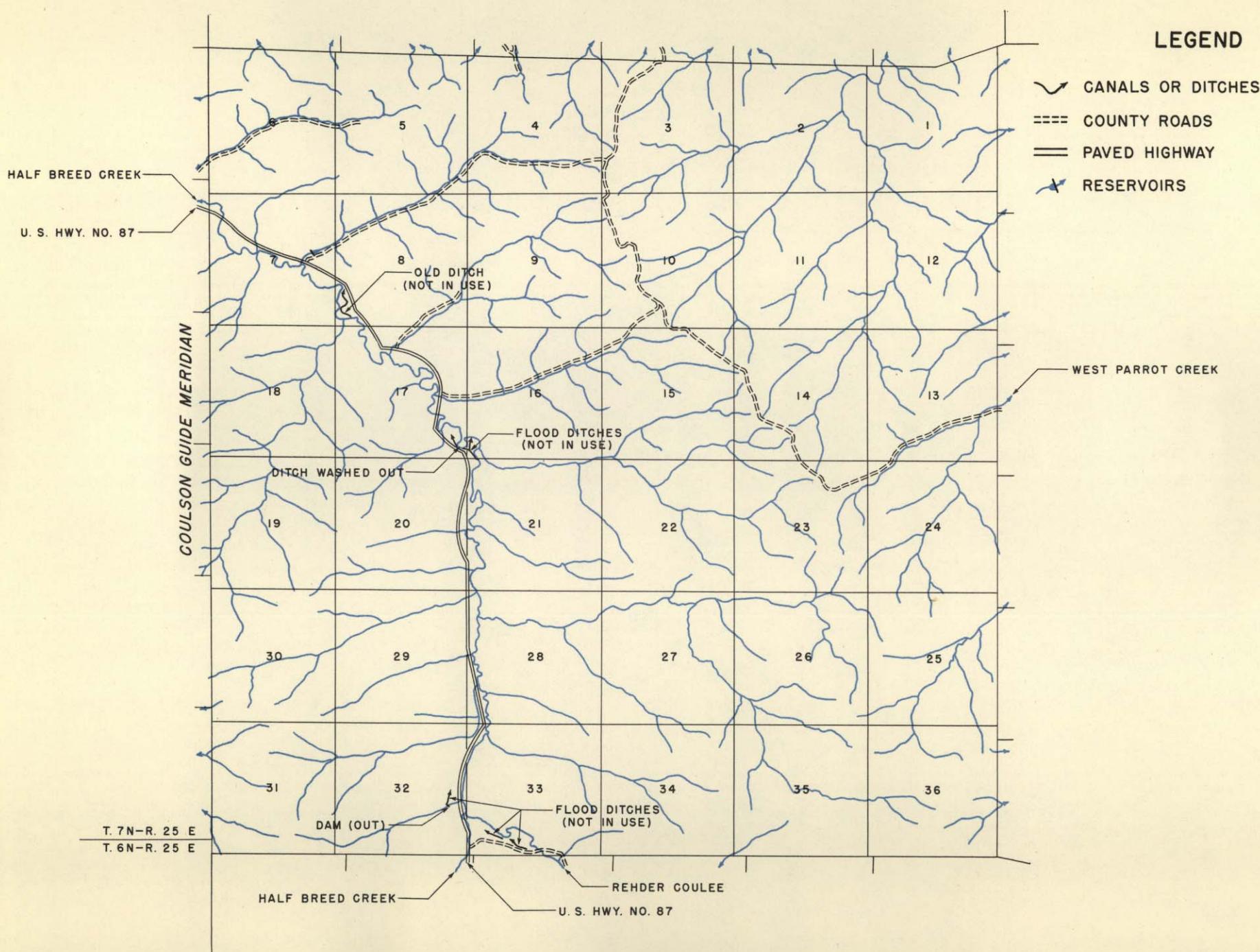
Township No. 7 NORTH

Range No. 26 EAST

County MUSSEL SHELL

T. 7 NORTH

R. 26 EAST



Township No. 7 NORTH

Range No. 27 EAST

County MUSSEL SHELL

T. 7 NORTH

R. 27 EAST

WEST PARROT CREEK

EAST PARROT CREEK

LEGEND

~~~~ CANALS OR DITCHES

===== COUNTY ROADS

WEST PARROT CREEK

SCHOOL

10

11

12

18

17

CREEK

15

14

13

FATTIG CREEK

19 EAST

20

21

22

23

24

WESCOTT DESERT CLAIM DITCH  
(PLOWED UNDER)

30

29

28

27

26

25

DESERT CLAIM DITCH  
(NOT IN USE)

OLD DESERT CLAIM DITCH  
(NOT IN USE)

STOCK WATER TANK & WELL  
SMALL PUMP (NOT IN USE)

32

31

33

34

35

36

DAM (OUT)

FATTIG CREEK

T. 7N-R. 26 E  
T. 6N-R. 26 E

35

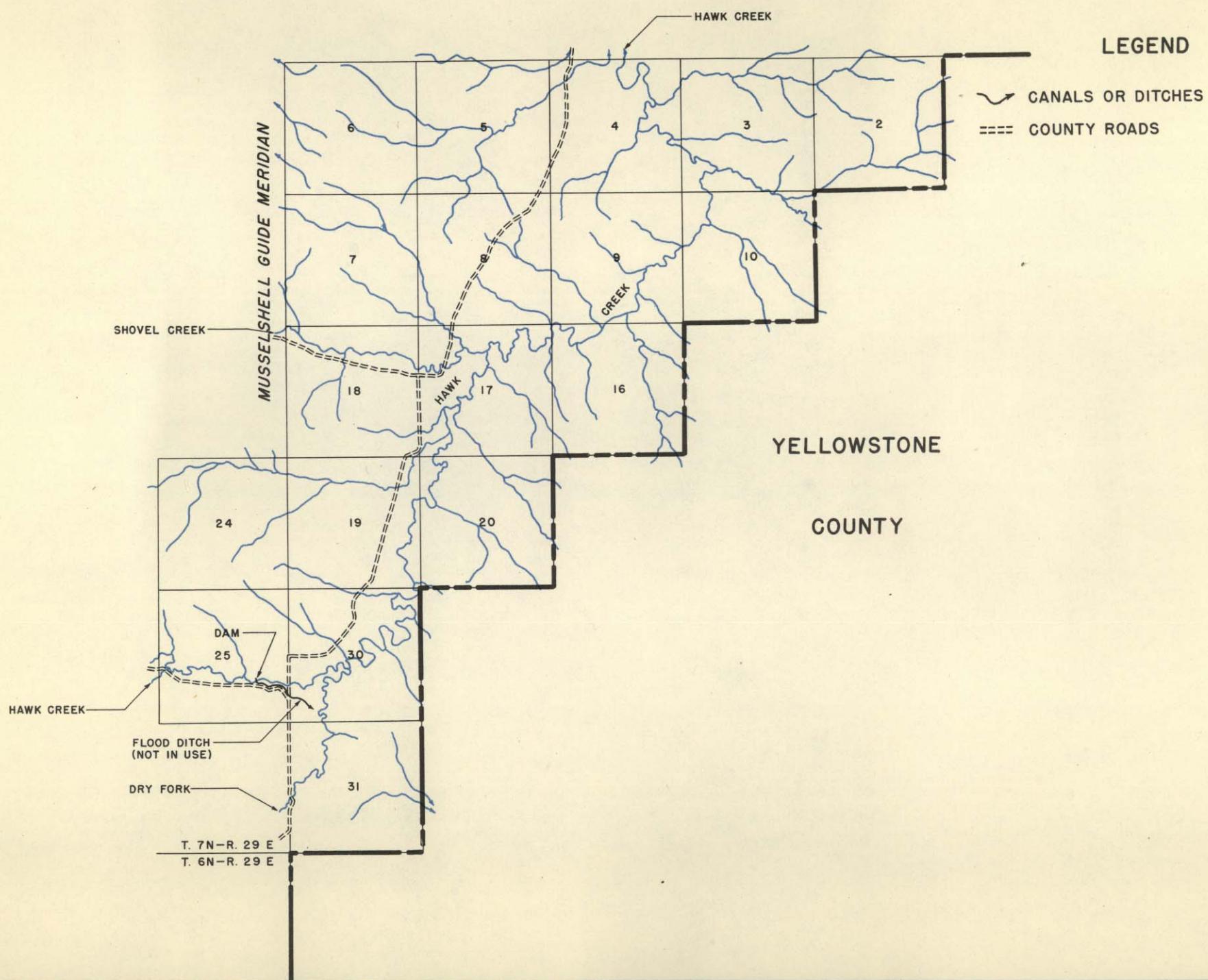
Township No. 7 NORTH

Range No. 30 EAST

County MUSSELSHELL

T. 7 NORTH

R. 30 EAST



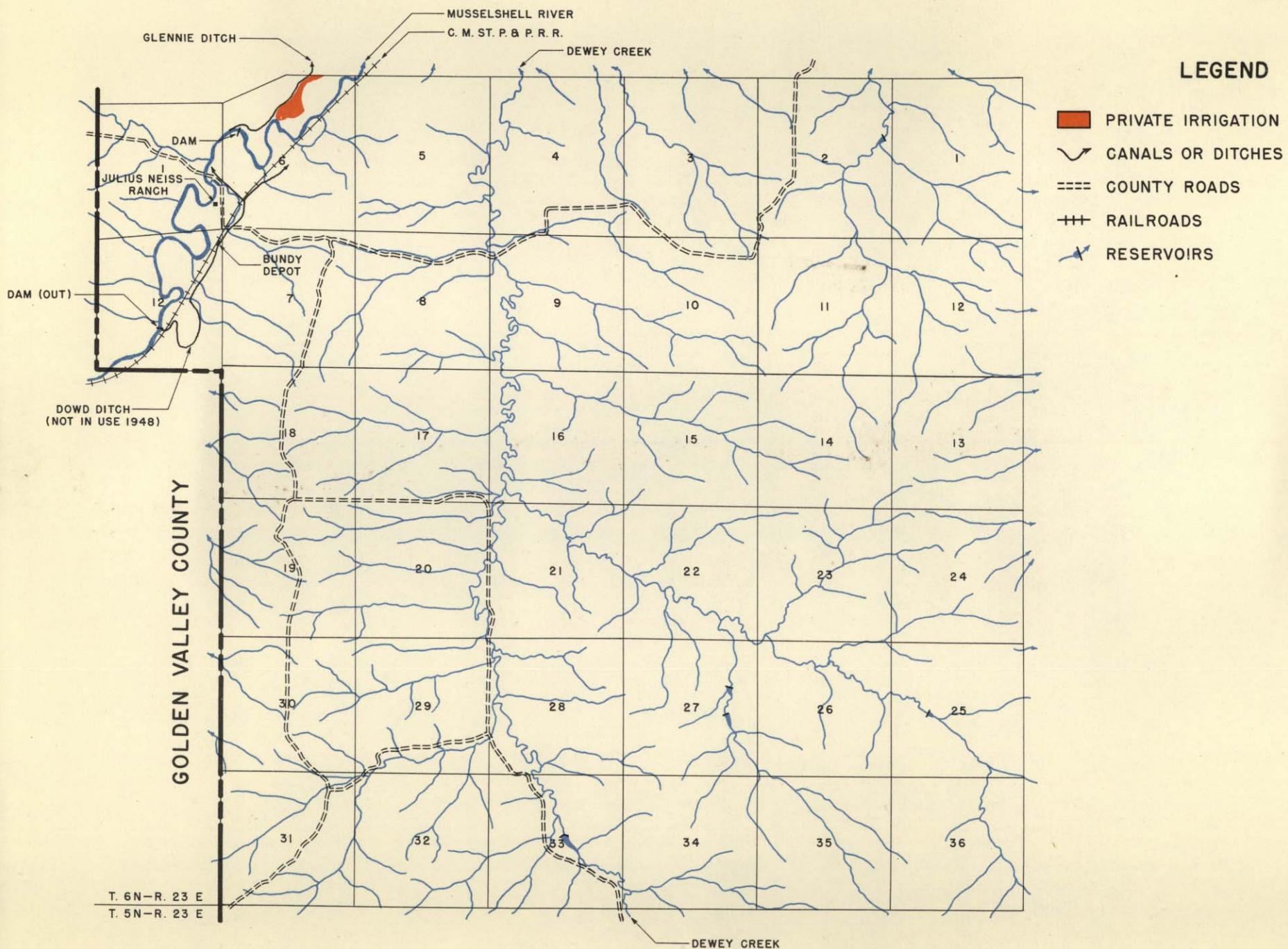
Township No. 6 NORTH

Range No. 24 EAST

County MUSSEL SHELL

T. 6 NORTH

R. 24 EAST



Township No. 6 NORTH

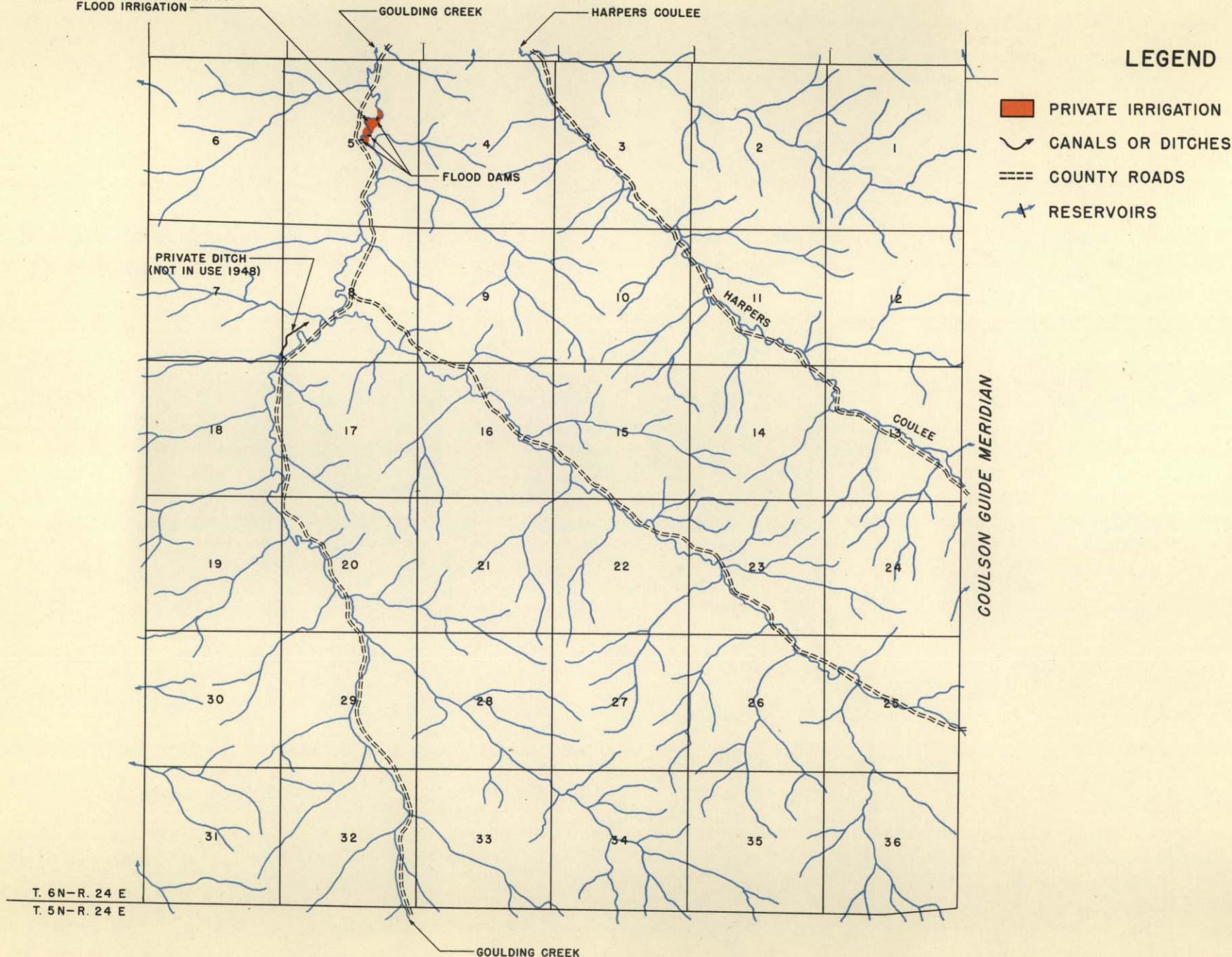
Range No. 25 EAST

County MUSSELSHELL

T. 6 NORTH

R. 25 EAST

**ROBERTS LAND & LIVESTOCK CO.  
FLOOD IRRIGATION**



Township No. 5 NORTH

Range No. 26 EAST

County MUSSEL SHELL

T. 5 NORTH

R. 26 EAST

